
Manure Application Protocol

The following is the manure application protocols that will be followed when manure is to be applied onto cropland.

Manure Application Protocols

- Before manure application weather conditions will be checked to make sure inclement weather capable of producing runoff is not in the forecast while manure applications may be occurring. No liquid manure will be applied to frozen or snow covered soils.
- All fields scheduled to have manure applied will be checked to ensure they are not saturated and that no new restrictive features are identified.
- Manure spreading restriction maps will be reviewed with all drivers and applicators to ensure that all of the appropriate setbacks and prohibitions are followed. If necessary flags will be set to ensure all setback distances are followed.
- All liquid manure will be either directly injected into cropland or immediately incorporated into cropland in SWQMA areas. For manure applications occurring on to existing alfalfa fields, a prohibition area of 100 feet from the feature causing the SWQMA (typically a stream or lake) will be followed.
- Field conditions will be monitored during and after application to make sure no offsite movement of manure occurs. If offsite movement occurs then the emergency response procedures contained in Tab 10 of the NMP will be implemented.
- Records of applications will be recorded and include the date, number of loads applied per field or application rate, driver, field conditions, weather conditions and source.

Training Requirements Manure Applicators

1. Instruction on Proper Operation and Maintenance of Equipment
2. Understanding and Interpretation of Field Maps
3. Explanation and Understanding of Wetlands and Waterways
 - a. Regulatory Requirements
 - b. Review of Wetlands and Waterways on Field Maps
4. Explanation and Review of Setbacks
 - a. Reasons for Setbacks
 - b. Applicable Setbacks
 - c. Review of Setbacks on Field Maps
5. How to Reduce Road Dirt
6. Explanation of Emergency Response Plan
7. Record Keeping
 - a. Importance and Purpose of Record Keeping
 - b. Calibration of Application Equipment
 - c. Manure Application

2005 NUTRIENT MANAGEMENT STANDARD 590 SUMMARY

Updated February 2007

The 590 nutrient management standard contains criteria for surface and groundwater protection that manages the amount and timing of all nutrient sources. These plans are annual and based on soil tests and UW soil fertility recommendations. These plans must credit nitrogen from legumes for the first and second year [A.1.h.], N, P, and K from manure and fertilizer – against the soil test recommendations for the crops to be grown.[A.1.] Available nitrogen from all sources shall not exceed the annual N requirement of non-legume crops consistent with UWEX Publication A2809, or the annual N uptake by legume crops.[A.f.] Annual P and K nutrient recommendations may be combined into a single application that does not exceed the total nutrient recommendation for the rotation except when manure is applied using either the Phosphorus Index, or soil test phosphorus management. [A.d.]

Phrases shown in [brackets] are the requirement's location in the 590 standard.

What are some of the nutrient application restrictions or setbacks in the 590 standard?

- ▶ Manures, organic byproducts, and fertilizers shall not run off the field during application. [A. 1. k.]
- ▶ Nutrients shall not be spread on:
Surface water, established concentrated flow channels or non-harvested vegetative buffers, a non-farmed wetland, sinkhole, nonmetallic mine, or well. [A. 2. a.(1).(2.)]

Areas within 50 feet of a drinking water well shall not receive mechanical applications of manure. [A. 2. a.(3.)]

Areas contributing runoff within 200 feet up slope of direct conduits to groundwater such as a well, sinkhole, fractured bedrock at the surface, tile inlet or nonmetallic mine unless the nutrients are effectively incorporated within 72 hours. [A. 2. a.(4.)]

Land where vegetation is not removed unless necessary in an emergency situation. [A. 2. a.(5.)]

Fields eroding more than tolerable soil loss (T) levels over the crop rotation. [A. 2. a.(6.)]
- ▶ When frozen or snow-covered soils prevent effective incorporation at the time of application and the nutrient application is not prohibited, implement the following:

Do not apply nutrients within the 1,000 feet of lakes and ponds or 300 feet of perennial streams (SWQMA) unless manure is deposited through winter gleaning of plant residue. Where winter gleaning occurs, calculate manure nutrients applied and do not exceed the N and P requirements of this standard. [A. 2. b.(1.)]

Do not apply nutrients to locally identified areas delineated in an operator signed and land conservation committee approved conservation plan. These areas contribute runoff to surface water or direct conduits to groundwater as a result of runoff. [A. 2. b.(2.)] [Locally identified areas with winter spreading restrictions must be part of an ordinance to protect public health and safety if used for the Livestock Facility Siting Application under ATCP 51, Wis. Admin. Code.]

Do not exceed the P removal of the following growing season's crop when applying manure. Limit liquid manure applications to 7000 gallons per acre. The balance of the crop nutrient requirement may be applied the following spring or summer. [A. 2. b.(3.)]

Do not apply manure on slopes greater than 9% or up to 12% if slopes are contoured farmed. [A. 2. b.(4.)]

Do not apply N and P in the form of commercial fertilizer except for grass pastures and on winter grains that do not fall within prohibition areas. [A. 2. b.(5.)]
- ▶ Nutrient applications on non-frozen soils in a SWQMA, use one or more of the following appropriate practices: 1) Install or maintain permanent vegetative buffers. 2) Maintain 30% crop residue or vegetative cover on the soil surface. 3) Incorporate nutrients within 72 hours leaving adequate residue to meet T. 4) Establish fall cover crops promptly following application.

In addition to the practices above, unincorporated liquid manure (less than 12% solids) applications on non-frozen soils in a SWQMA will use Table 1 to determine maximum acceptable rates. Sequential applications may be made to meet the desired nutrient additions consistent with this standard. Soils shall be evaluated using Table 1 or waiting a minimum of 7 days prior to subsequent applications. [A. 3. a.]

Table 1.

Max. Unincorporated Liquid Manure Application Rate within a SWQMA on Unsaturated soils		<i>Allowable Soil Moisture Description for Applications</i>
<i>Percent Crop Residue or vegetative cover on surface after manure application</i>	<i>< 30%*</i> <i>≥ 30%*</i>	
<i>Fine soil texture</i> <i>clay, silty clay, silty clay loam, clay loam</i>	3,000 5,000	<i>Easily ribbons out between fingers, has a slick feel.</i>
<i>Medium soil texture</i> <i>sandy clay, sandy clay loam, loam, silt loam, silt</i>	5,000 7,500	<i>Forms a ball, is very pliable, slicks readily with clay.</i>
<i>Coarse soil texture</i> <i>loamy sand, sandy loam, sand, peat, muck</i>	7,000 10,000	<i>Forms a weak ball, breaks easily.</i>

More applications may be made to meet the nutrient need as soil conditions become suitable.

- ▶ To reduce N losses to groundwater, restricts the majority of crop N applications to the spring on high permeability soils (sands, etc.), soils with less than 20 inches to bedrock, or soils with less than 12 inches to apparent water table or within 1000' of a municipal well, apply criteria in section B., if applicable. [B.]
- ▶ To reduce P losses to surface water develop a P management strategy. Where manure, organic byproducts, or fertilizers are applied, avoid building soil test P values when possible beyond the non-responsive soil test range. [C.1.a.] Establish perennial vegetative cover in all areas of concentrated flow resulting in reoccurring gullies. [C.1.b.] Use either the Phosphorus Index, or soil test phosphorus management strategies when manure or organic by-products are applied during the crop rotation. [C.2.]

Using the Wisconsin phosphorus index (PI) strategy, the planned average PI values for up to an 8 year rotation in each field shall be 6 or lower. P applications to fields with planned average PI value greater than 6 may be made only if additional P is needed according to UWEX soil fertility recommendations. [C.2.a.]

Using soil test phosphorus management strategies, fields testing from 50-100 ppm soil test P with a P application, shall not exceed total crop P removal for crops to be grown over a maximum of 8 years. Greater than 100 ppm soil test P, eliminate P applications if possible. Or limit applications to 25% less than the cumulative annual crop removal over a maximum of 8 years. For land with potatoes in the rotation, total P applications shall not exceed crop removal over a maximum of 8 years if soil tests are in the optimum, high, or excessively high range for potatoes. Operations using this strategy shall have a certified conservation plan addressing all soil erosion consistent with the current crops and management or use the erosion assessment tools included in the Phosphorus Index model. Where ephemeral erosion is an identified problem, a minimum of one of the following runoff-reducing practices shall be implemented: 1) Install/maintain contour strips and/or contour buffer strips. 2) Install/maintain Filter Strips along surface waters and concentrated flow channels that empty into surface waters that are within or adjoin the areas where manure will be applied. 3) Maintain greater than 30% crop residue or vegetative cover on the soil surface after planting. 4) Establish fall cover crops. [C.2.b.]

Finding Snap Plus

From this web address <http://www.snapplus.net/> you can download the 590 standard and technical note, SNAP Plus, and the user manual. If you have questions, please call either of us.

Sue Porter
608-224-4605

and

Sara Walling
608-224-4524

Nutrient Application Spreading Restrictions

WI Admin Code NR 243

Nutrient Application Prohibitions

- Manure or process wastewater may not pond on the application site. Manure or process wastewater may not run off the application site, nor discharge to waters of the state through tile lines
- Manure or process wastewater may not cause fecal contamination of a well
- Manure or process wastewater may not be applied to saturated soils
- Manure or process wastewater may not be applied when snow is actively melting
- Manure or process wastewater may not be surface applied when precipitation is capable of producing runoff is forecast within 24hrs of the planned application
- Do not apply manure or process wastewater on fields that exceed tolerable soil loss
- When required manure must be incorporated within 48 hours of application
- Manure or process wastewater may not be applied to soils with a depth of less than 24 inches to groundwater or bedrock (W & R)
- No manure or process wastewater may be applied within 1000 feet of a municipal well
- Manure may not be applied within 100 feet of direct conduits to groundwater (Tile inlets, wells sinkholes, bedrock, etc)
- Manure or process wastewater may not be applied to frozen or snow covered soils within SWQMA - 300 feet of a perennial stream or 1000 feet of a lake, pond or flowage.

Nutrient Application Spreading Restrictions



- Conduits to Navigable Water – On non-frozen ground do not apply manure or wastewater within 25 feet of navigable waters, conduit to navigable water or wetlands. Immediately inject or incorporate manure within 300 feet of conduits to navigable waters or 1000 feet of a lake, pond or flowage on non-frozen ground. Manure applications occurring on existing alfalfa fields will follow a setback of 100 feet from navigable waters, conduits to navigable water or wetlands. The remaining area of the SWQMA can then receive a surface application of manure if the 100 feet prohibition area is adhered to.



- Manure or process wastewater may not be applied within 100 feet of a private well or direct conduit to groundwater, and applications between 100 and 200 feet upslope of direct conduits need to be incorporated within 48 hrs



- High permeability soils, soils w/less than 20 inches to bedrock and soils w/less than 12 inches to apparent water table. – No fall commercial N applications except for establishment of fall seeded crops
 - Soils >50°F apply one of options below:
 - Use nitrification inhibitor and limit N rate to 120lbs
 - Delay applications until after Sept 15th, limit N rate to 90lbs
 - Apply to fields with perennial crops or fall seeded crops, N application not to exceed 120lbs or crop N requirement
 - Soils <50°F and manure applied in fall limit N rate to 120lbs or perennial crop N requirement

Nutrient Application Spreading Restrictions

WI Admin Code NR 243

- Soils with seasonal depth of less than 24 inches to groundwater – Fall applications only or verify field conditions are not saturated
- Areas with slopes greater than 6%, follow winter liquid manure application spreading restrictions and incorporate within 48hrs unless field has contour strips, is in alfalfa or has 40% crop residue

Solid Manure Winter Application Spreading Restrictions

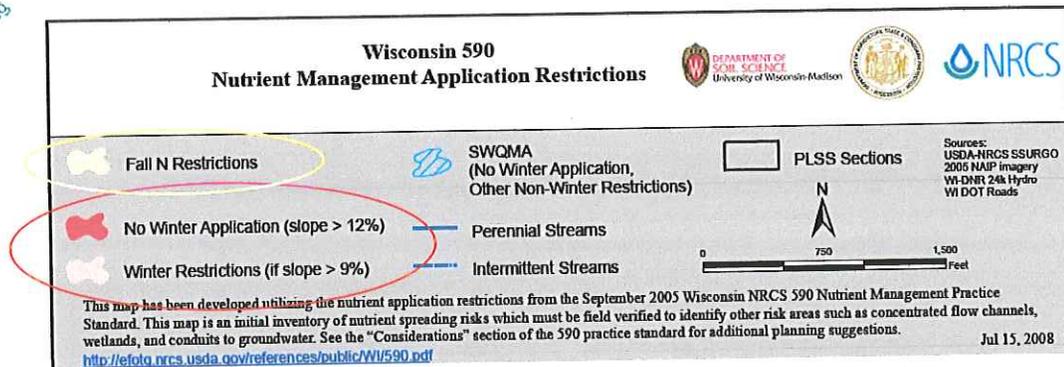
- Solid manure may not be surface applied from Feb 1 through Mar 31 if ground is frozen or there is greater than 1" of snow cover.
- Application sites must be chisel or moldboard plowed, no-tilled or department equivalent.
- No applications allowed on fields with slopes greater than 9%.
- If less than 1" of snow present manure may be surface applied or immediately incorporated
- If 1" to 4" of snow present manure must be immediately incorporated or follow restrictions below.
 - Fields with 0 to 6% slope – Minimum solids content of manure must be 12%, 200 foot setback from channelized flow, vegetated buffers and wetlands and a 300 foot setback from direct conduits to groundwater
- If more than 4" of snow present manure may not be incorporated and follow restrictions below.
 - Fields with 6 to 9% slope - Minimum solids content of manure must be 20%, no applications allowed within 2x of SWQMA. 400 foot setback from channelized flow, vegetated buffers and wetlands and a 600 foot setback from direct conduits to groundwater

Liquid Manure Winter Application Spreading Restrictions

- No liquid manure may be surface applied on frozen or snow covered ground
- If less than 1" of snow present liquid manure may be surface applied or incorporated. All other setbacks need to be followed.
- If 1" to 4" of snow present surface application of liquid manure is prohibited, except in emergency situations. Liquid manure may be immediately incorporated or injected. All other setbacks need to be followed.
- If more than 4" of snow present surface applications and incorporated applications of liquid manure are prohibited, except in emergency situations. Liquid manure may be immediately injected. All other setbacks need to be followed.



Winter/Slope and Fall N Restricted Soils on My Farm



Why do some soil types have a "Fall N Restriction"?

Areas identified in yellow on these maps are believed to be hazardous because of the strong possibility that they are direct conduits to groundwater. These soils fit into at least one of the following categories:

- Highly permeable, allowing water to flow downward very quickly, or
- Have less than 20 inches to bedrock
- Have less than 12 inches to the water table

How does a fall N-restricted soil affect my farm management?

For fields containing an N-restricted soil type, the general rule of thumb is to restrict the majority of crop N applications to the spring. The following restrictions also apply and must be followed:

- **Fall application of commercial N to these soils is prohibited**, except for establishment of fall-seeded crops, in which case applications may not exceed 30 lbs of available N/acre.
- **Manure-N restrictions:**
 - When manure is fall-applied and soil temperatures are higher than 50° F:
 - use a nitrification inhibitor with liquid manure and limit rate to 120 lb N/acre, or
 - apply after Sept. 15 and limit rate to 90 lb N/acre, or
 - apply to perennial or fall-seeded crops and limit rate to 120 lb N/acre or crop N need, whichever is less.
 - When manure is fall-applied and soil temperatures are lower than 50° F, limit the application rate to 120 lb N/acre or the crop's N need, whichever is less.
- **On irrigated fields:**
 - split N applications, applying the majority of N after crop establishment, or
 - use a nitrification inhibitor with ammonium forms of N.

Why do some soils have a No Winter Application restriction?

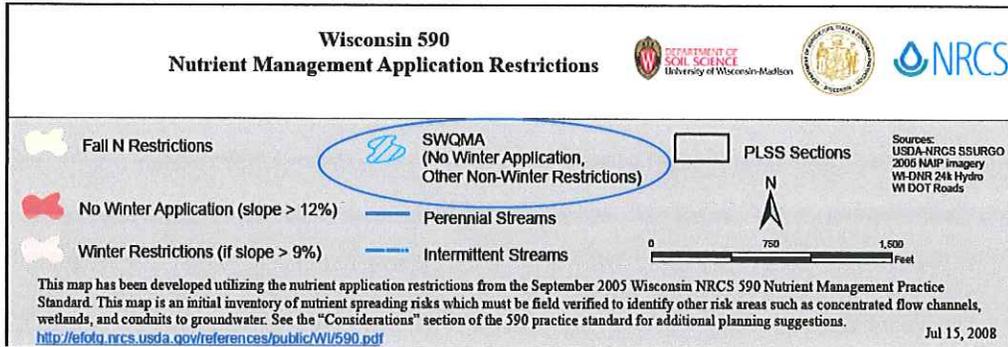
Winter applications of nutrients are prohibited on slopes greater than 12% due to high risk of erosion and nutrient losses (unless effective incorporation can occur at the time of application). Winter conditions are defined as having either frozen and/or snow covered soil. Areas that have been identified as having slopes greater than 12% are depicted in red on these maps.

What does it mean to have a soil labeled with "Winter Restrictions (if slope > 9%)"?

The 590 Nutrient Management Standard restricts manure applications on slopes >9% (unless it is contour plowed, in which case manure applications can be made on slopes up to 12%). Many areas in Wisconsin have been mapped as having slopes between 6-12%; these soils are depicted in pink on the 590 NM Application Restriction maps. Fields labeled with this (pink) restriction must be checked to determine their actual slope.



SWQMA Areas on My Farm



What is a SWQMA?

A Surface Water Quality Management Area, or SWQMA, is defined as the area within 1,000 feet of lakes and ponds and within 300 feet of perennial rivers and streams. These areas are given special consideration due to the higher likelihood of soil and nutrients applied to these areas entering and polluting the water body.

How does a SWQMA designation affect how I apply nutrients to my fields?

Nutrient application restrictions within a SWQMA are different for winter and other parts of the year.

Winter:

Nutrient applications are prohibited on frozen and/or snow-covered soils in SWQMAs (fields within 1,000 ft of lakes/ponds, or within 300 ft of perennial streams).

Non-winter:

Nutrient applications on unfrozen/non-snow covered ground in SWQMAs are restricted in the following ways:

- Nutrient applications must be accompanied by at least one of the following:
 - establishment of permanent vegetative buffers
 - maintenance of greater than 30% residue or vegetative cover
 - incorporation of nutrients within 3 days
 - establishment of cover crops after application
- Unincorporated liquid manure application rates are restricted based on soil type and soil moisture.
- Maximum acceptable rates for unincorporated liquid (less than 12% solids) manure applications are shown below. If these rates are not enough to meet the desired nutrient application rate (consistent with the 590 standard), you can may sequential applications. Wait at least 7 days or use the "allowable soil moisture description" below to make sure that the soil is dry enough for another application.

Max. Unincorporated Liquid Manure Application Rate within a SWQMA on Unsaturated soils			Allowable Soil Moisture Description for Applications
Percent crop residue or vegetative cover on surface after manure application	< 30%*	≥ 30%*	
Fine soil texture clay, silty clay, silty clay loam, clay loam	3,000	5,000	Easily ribbons out between fingers, has a slick feel.
Medium soil texture sandy clay, sandy clay loam, loam, silt loam, silt	5,000	7,500	Forms a ball, is very pliable, slicks readily with clay.
Coarse soil texture loamy sand, sandy loam, sand, peat, muck	7,000	10,000	Forms a weak ball, breaks easily.

For more information about Nutrient Management and the NRCS 590 Nutrient Management Standard, please visit:
<http://www.datcp.state.wi.us/arm/agriculture/land-water/conservation/nutrient-mngmt/planning.jsp>

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Section 13
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Ebert Enterprises, LLC - Rodrian Parks - Map 1 Incorporation Restriction Map



Well - No manure applications within 100'



Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure.



SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243



PLSS Sections

Sources:
USDA-NRCS SSURGO
2008 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads



No Manure Applications



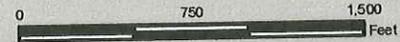
Perennial Streams



Winter Restrictions (if slope > 9%)



Intermittent Streams



This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011



T25N R25E
 Section 24
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**Ebert Enterprises, LLC - Rodrian Parks - Map 2
 Incorporation Restriction Map**



● Well - No manure applications within 100'



Soils w/high potential for Nitrate Leaching-
 Fall N restrictions, verify fields are not
 saturated before applying manure.



No Winter Application (slope > 12%)



Winter Restrictions (if slope > 9%)



SWQMA 300'/1000' Buffers
 (No Winter Application,
 Other Non-Winter Restrictions)
 As described in NR 243



Perennial Streams



Intermittent Streams



PLSS Sections



0 750 1,500 Feet

Sources:
 USDA-NRCS SSURGO
 2008 NAIP Imagery
 WI-DNR 24k Hydro
 WI DOT Roads

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Apr 05, 2011



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Ebert Enterprises, LLC - Ken Dufek Incorporation Restriction Map



● Well - No manure applications within 100'



Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure



No manure Applications



Winter Restrictions (if slope > 9%)



SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243



Perennial Streams



Intermittent Streams



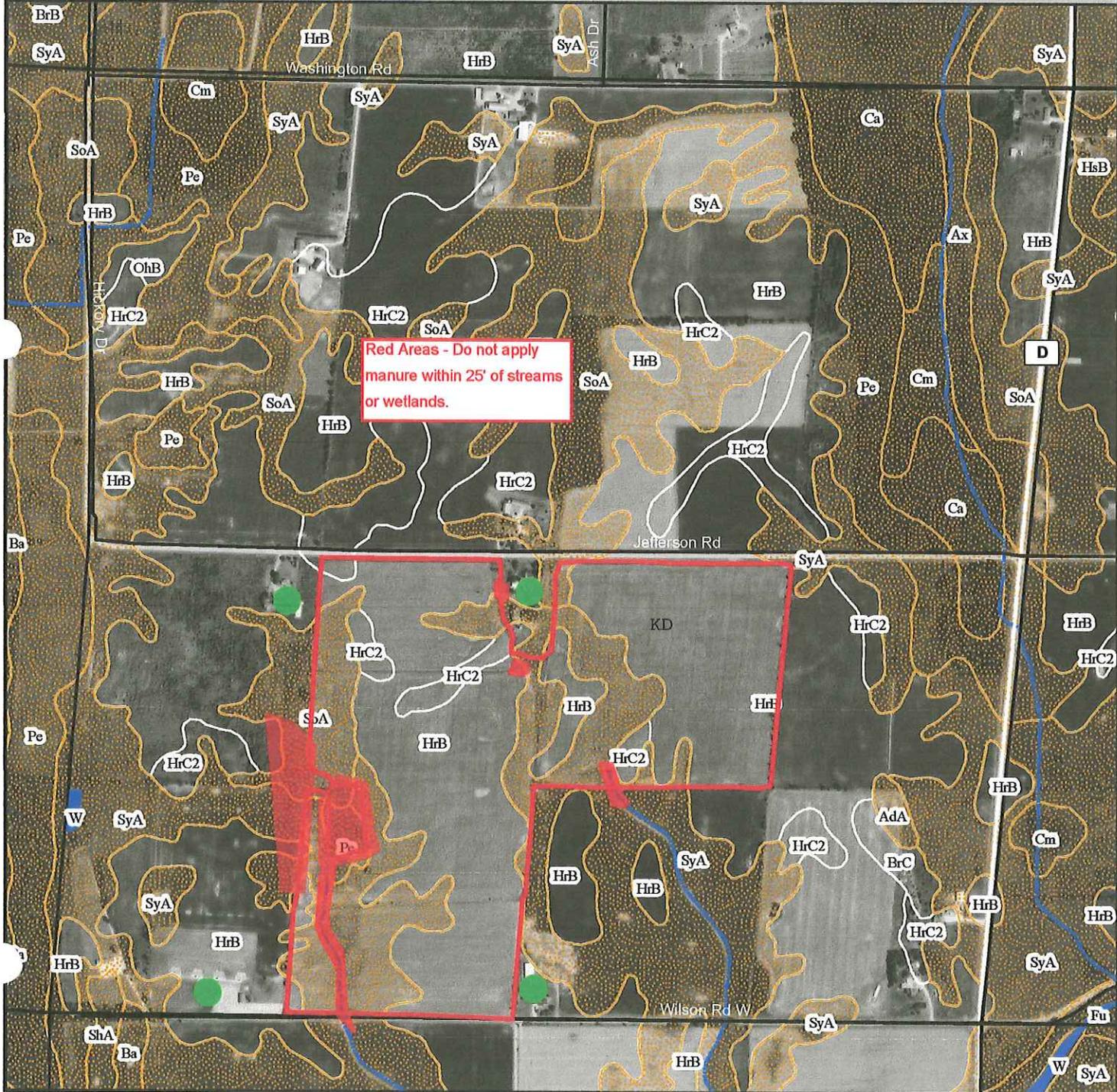
PLSS Sections



0 750 1,500 Feet

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2008 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads

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<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf> Apr 05, 2011



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Section 27
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Ebert Enterprises, LLC - Algoma Fields Incorporation Restriction Map



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure.

No Manure Applications

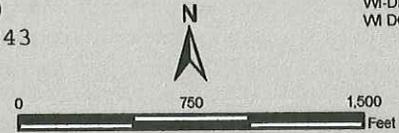
Winter Restrictions (if slope > 9%)

SWQMA
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

Intermittent Streams

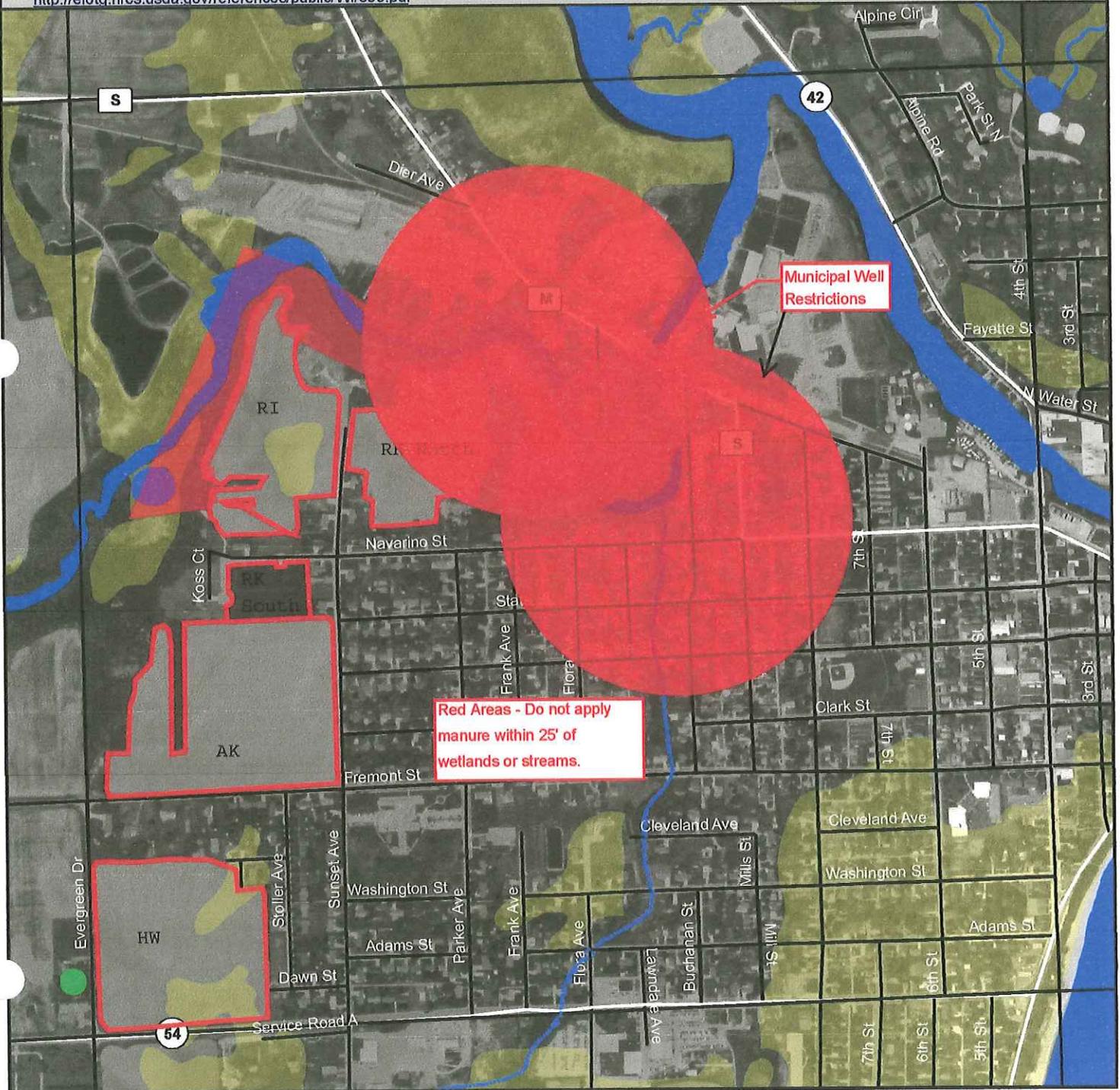
PLSS Sections



Sources:
USDA-NRCS SSURGO
2005 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads

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<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Oct 08, 2008



T25N R25E
 Section 34
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**Ebert Enterprises, LLC - Algoma Fields
 Incorporation Restriction Map**



● Well - No manure applications within 100'



Soils w/high potential for Nitrate Leaching-
 Fall restrictions, verify fields are not
 saturated before applying manure.



No Manure Applications



Winter Restrictions (if slope > 9%)



SWQMA
 (No Winter Application,
 Other Non-Winter Restrictions)
 As described in the NR 243



Perennial Streams



Intermittent Streams



PLSS Sections

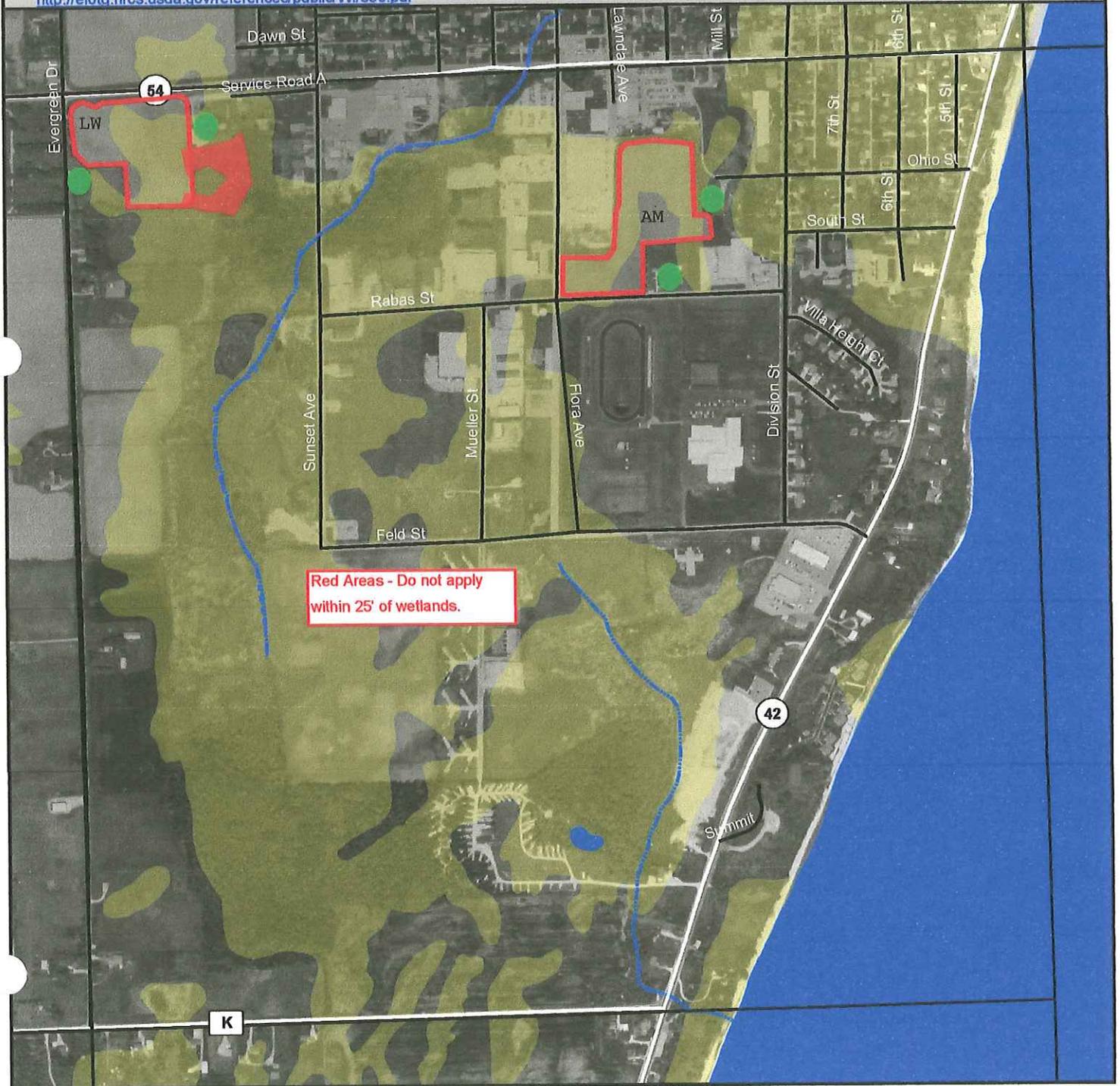


0 750 1,500
 Feet

Sources:
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 WI-DNR 24k Hydro
 WI DOT Roads

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<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Oct 08, 2008



**Red Areas - Do not apply
 within 25' of wetlands.**

**Ebert Enterprises, LLC - LT and FSC Farms
Incorporation Restriction Map**



Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-Fall N restrictions, verify fields are not saturated before applying manure

No Manure Applications

Winter Restrictions (if slope > 9%)

SWQMA (No Winter Application, Other Non-Winter Restrictions) As described in NR 243

Perennial Streams

Intermittent Streams

PLSS Sections

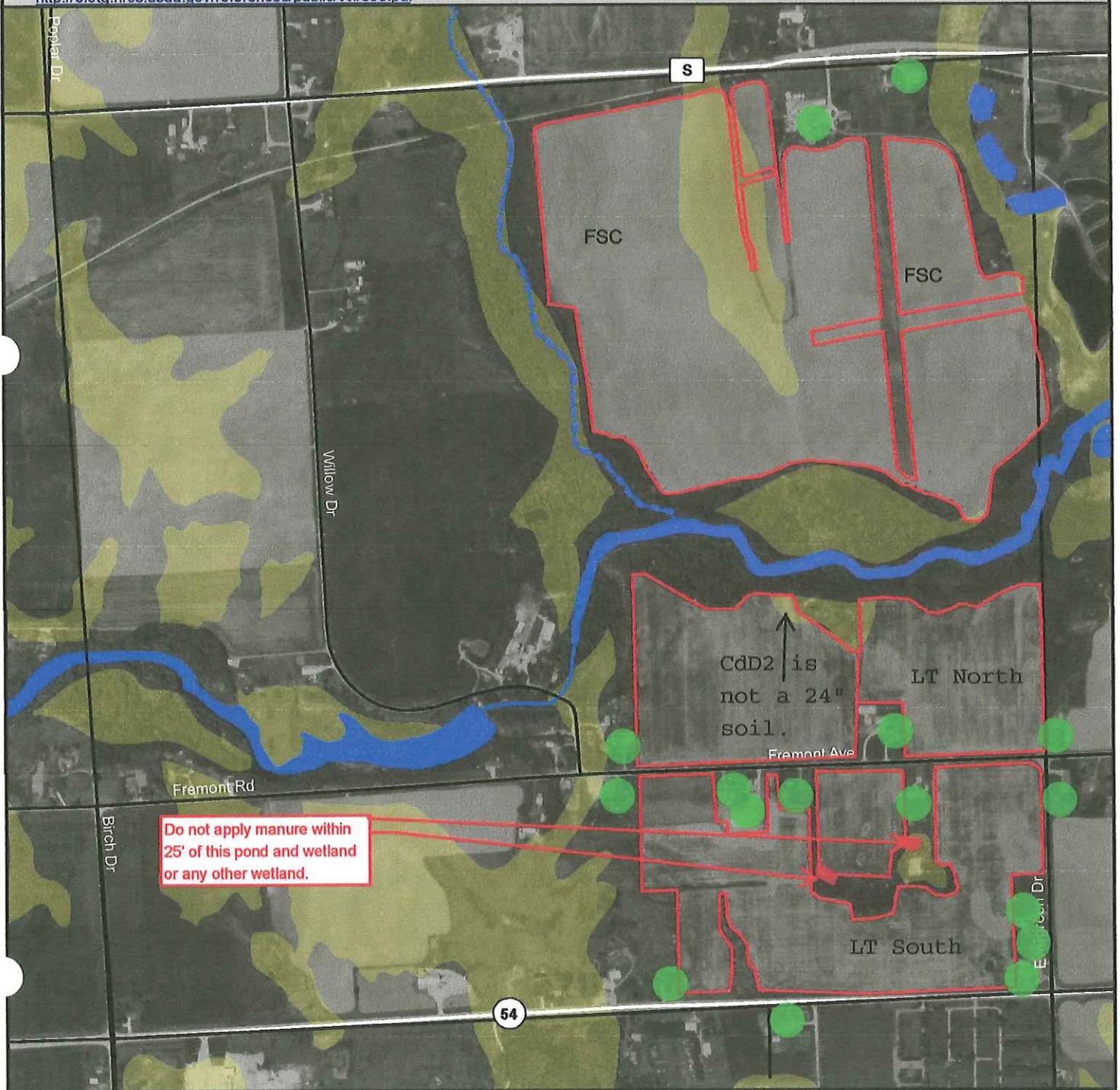


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WI-DNR 24k Hydro
WI DOT Roads

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<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Oct 08, 2008



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**Ebert Enterprises, LLC - EH North, PG, RT, & AD
North - Incorporation Restriction Map**



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-Fall N restrictions, verify fields are not saturated before applying manure

No Manure Applications

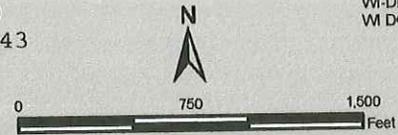
Winter Restrictions (if slope > 9%)

SWQMA (No Winter Application, Other Non-Winter Restrictions) As described in NR 243

Perennial Streams

Intermittent Streams

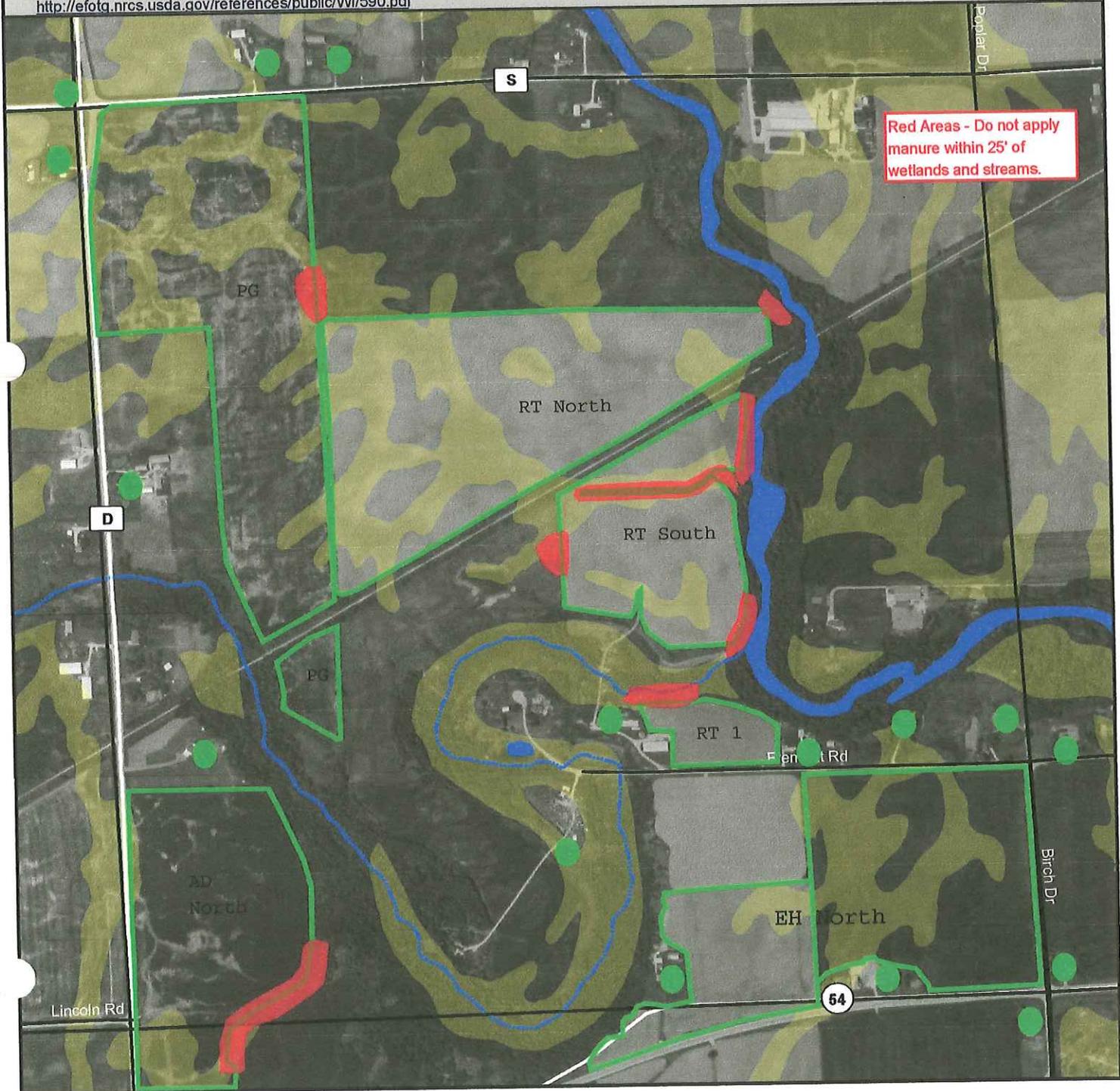
PLSS Sections



Sources:
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<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Oct 08, 2008



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**Ebert Enterprises, LLC - Alan Dettman Farm,
Haack Fenske Farm & Frank Stoller Const.
Incorporation Restriction Map**



● Well - No manure applications within 100'

Soils w/high potential for Nitrate
Leaching-Fall N restrictions, verify fields
are not saturated before applying manure

No Manure Applications

Winter Restrictions (if slope > 9%)

SWQMA
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

Intermittent Streams

PLSS Sections

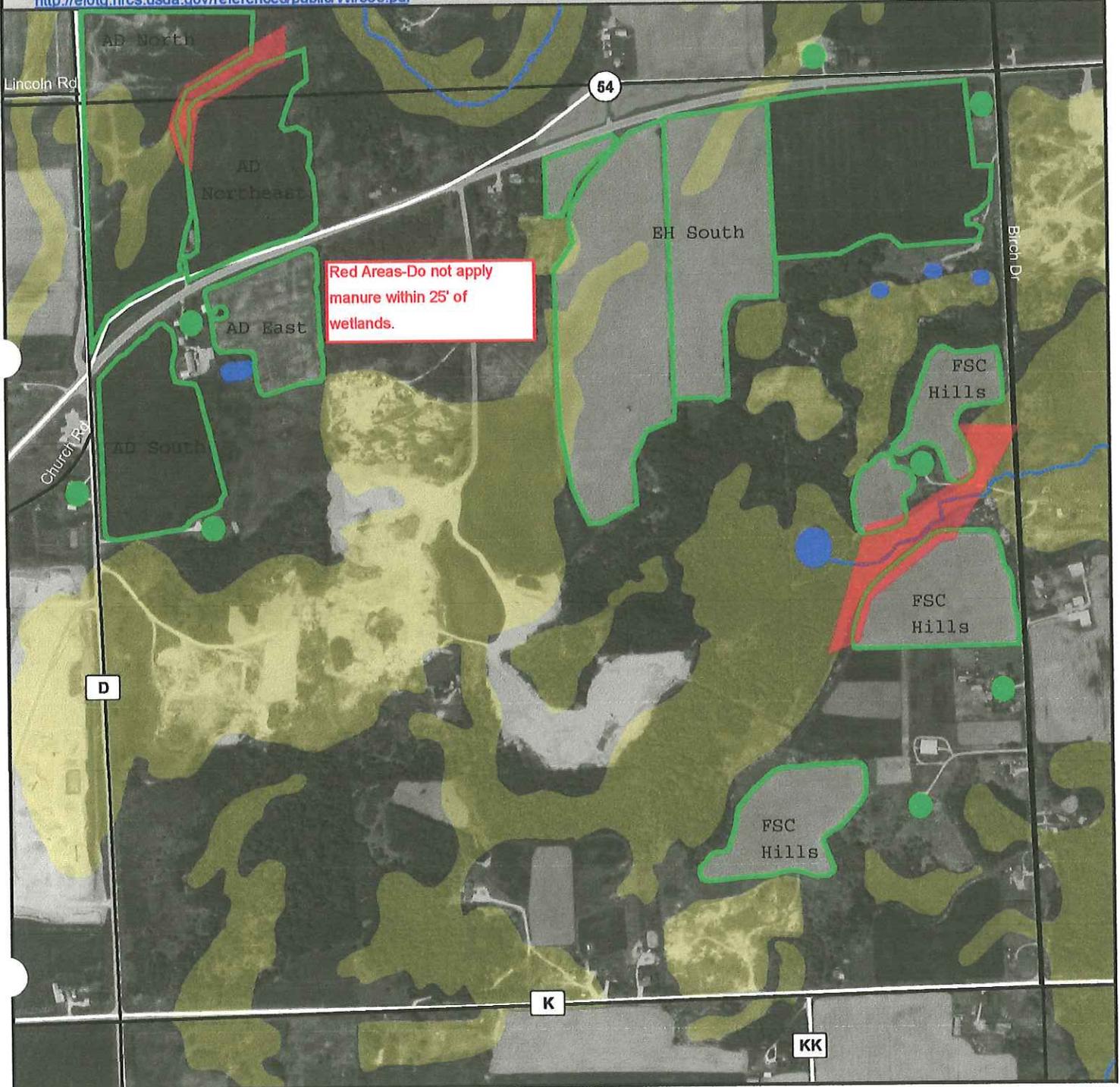


0 750 1,500
Feet

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WI-DNR 24k Hydro
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<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Oct 08, 2008



T25N R25E
Section 30
Kewaunee Co.

**Ebert Enterprises, LLC - T. Stoller & AD West Farms
Incorporation Restriction Map**

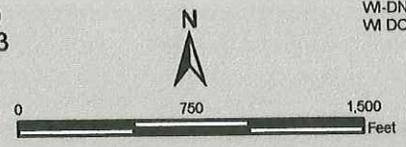


● Well - No manure applications within 100'

- Soils w/high potential for Nitrate Leaching - Fall N restrictions, verify fields are not saturated before applying manure.
- No Manure Applications
- Winter Restrictions (if slope > 9%)

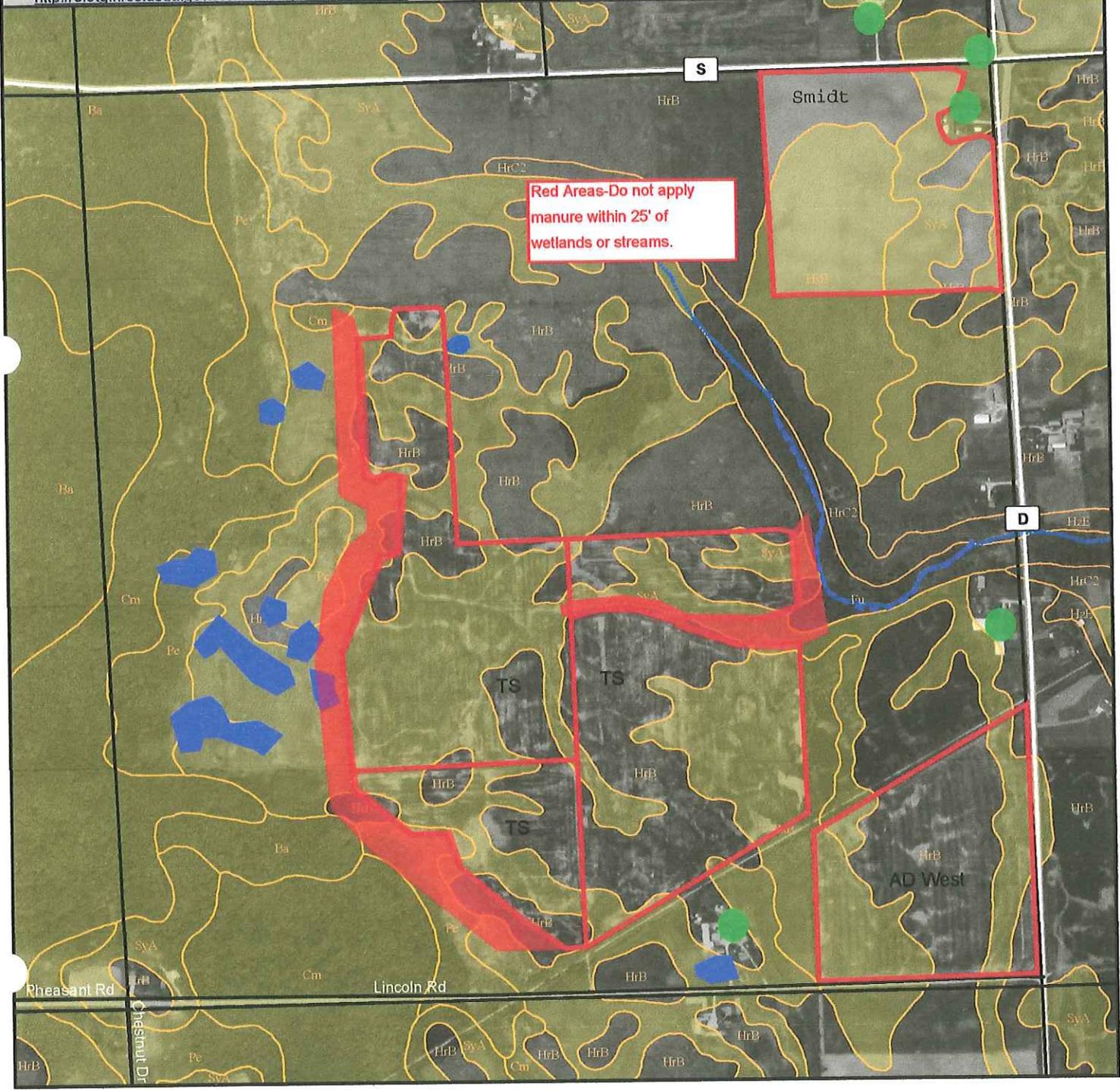
- SWQMA (No Winter Application, Other Non-Winter Restrictions) As described in the NR 243
- Perennial Streams
- Intermittent Streams

PLSS Sections



Sources:
USDA-NRCS SSURGO
2005 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>
Oct 08, 2008



T25N R25E
Section 31
Kewaunee Co.

Ebert Enterprises, LLC - Henry Ebert - Map 1 Incorporation Restriction Map



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure

No Manure Applications

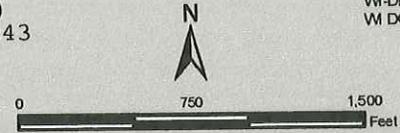
Winter Restrictions (if slope > 9%)

SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

Intermittent Streams

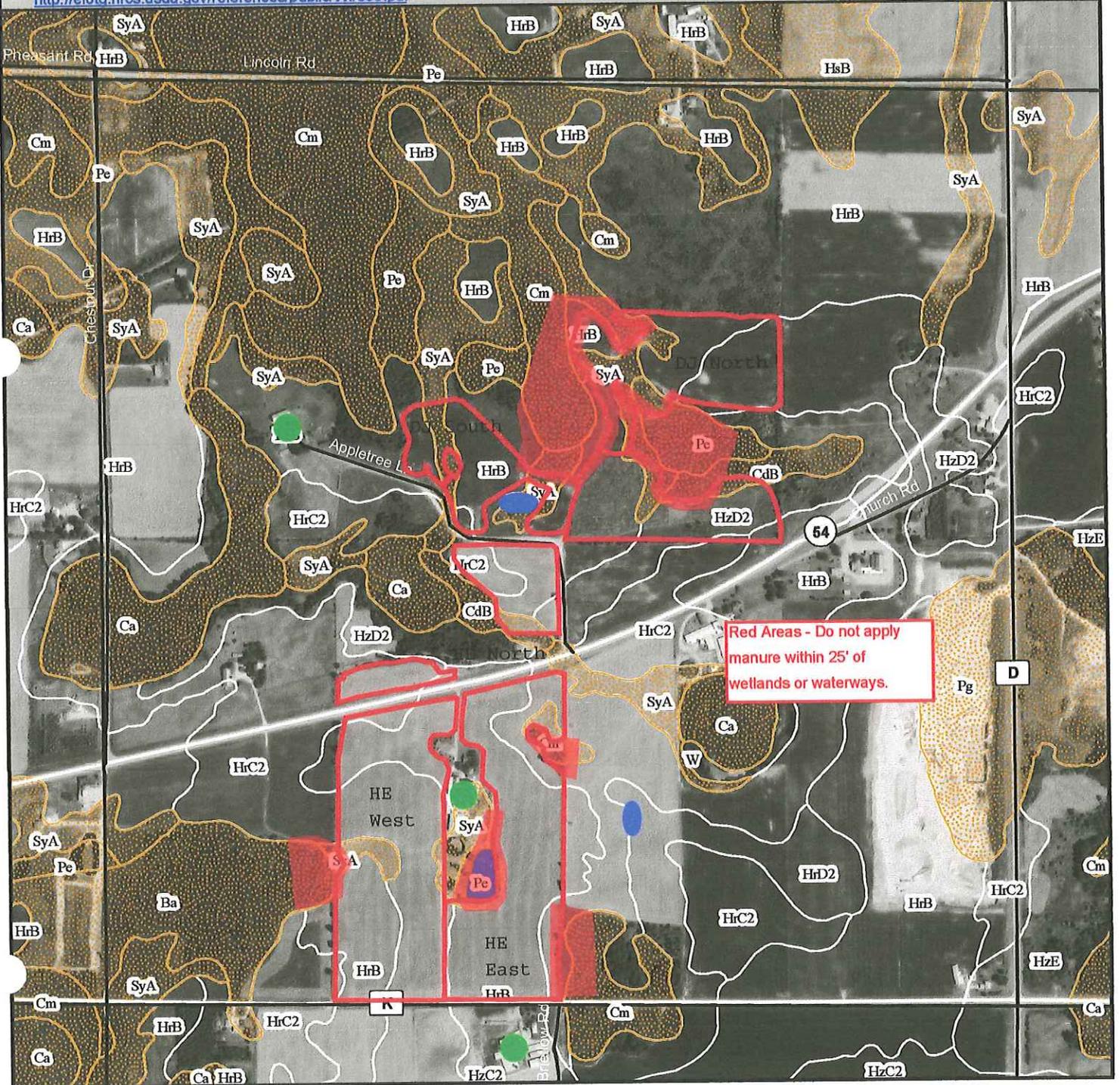
PLSS Sections



Sources:
USDA-NRCS SSURGO
2008 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efota.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011



Red Areas - Do not apply
manure within 25' of
wetlands or waterways.

T25N R25E
Section 33
Kewaunee Co.

Ebert Enterprises, LLC - Derenne Dekyser Incorporation Restriction Map



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure.

No Manure Applications

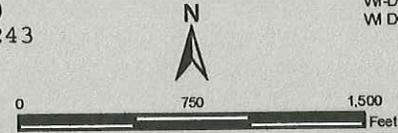
Winter Restrictions (if slope > 9%)

SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

Intermittent Streams

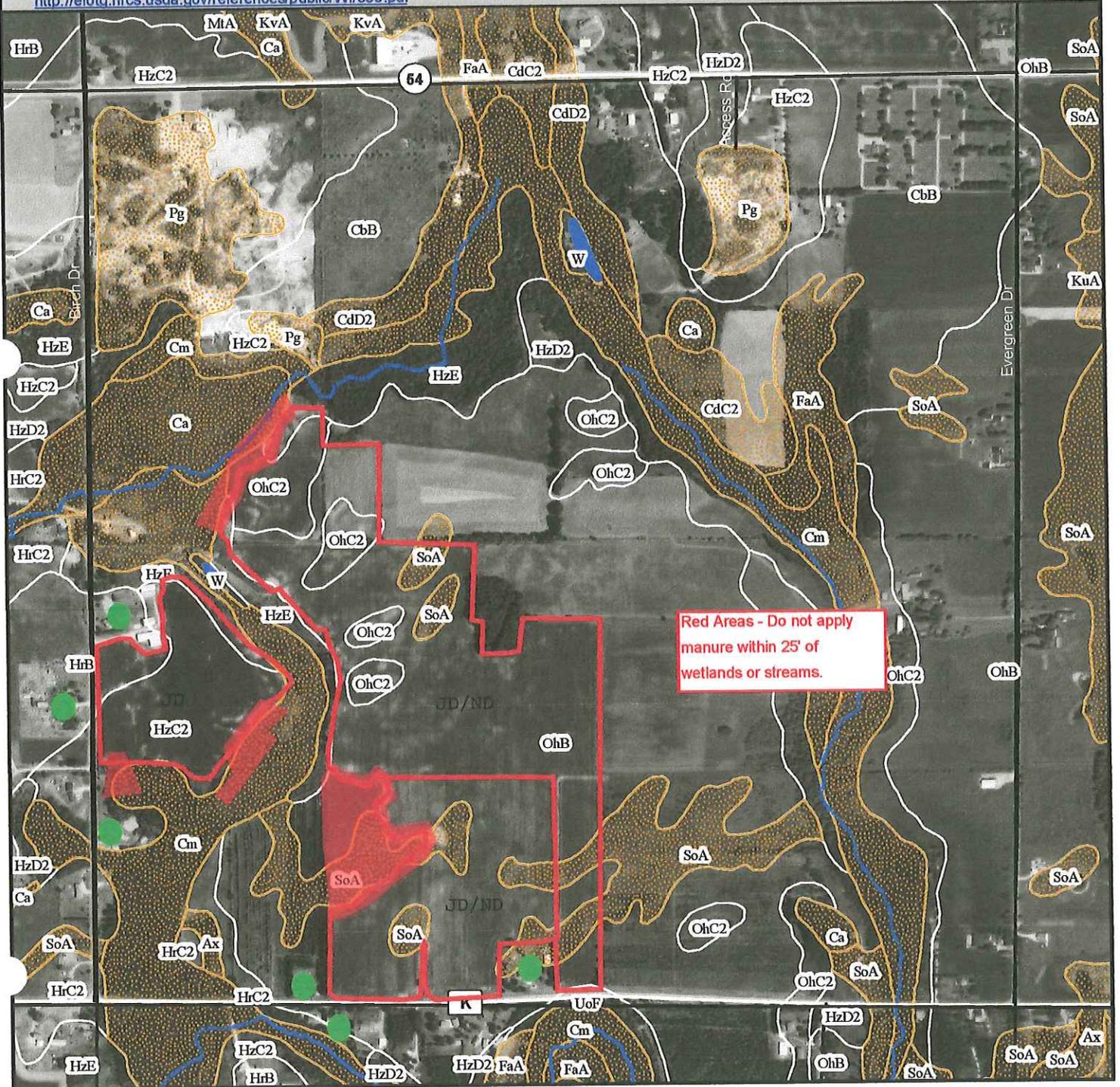
PLSS Sections

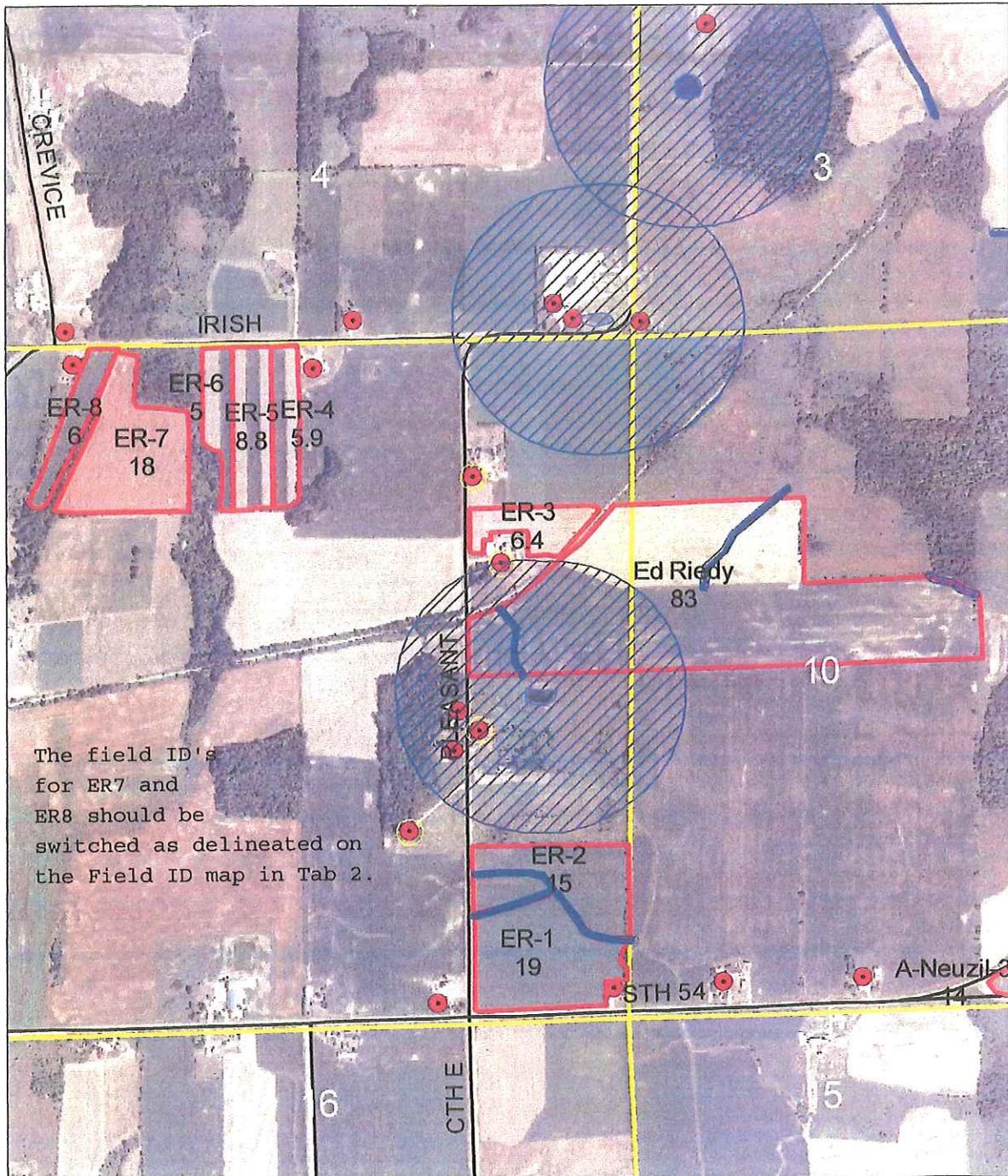


Sources:
USDA-NRCS SSURGO
2008 NAIP Imagery
W-DNR 24k Hydro
W DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011





Duescher's Legendary Farms, Riedy, Farm
Spring, Summer, Fall, Hazard Map.



KOSS AG LLC
Crop Consulting
CCA# 14151
920-255-3303

- Legend**
- Hermitic Steams
 - Inter Stream 25ft Buffer
 - Lakes_and_Ponds
 - Lakes_&Ponds SW/QMA
 - Wetland_edge
 - Wetland_edge_Buffer
 - Duescher
 - possible_well
 - 100ft well buffer
 - Kewaunee Section Lines
 - Kewaunee Roads



T24N R24E
Section 11
Kewaunee Co.

Ebert Enterprises, LLC Incorporation Restriction Map



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N Restrictions, verify fields are not
saturated before applying manure.

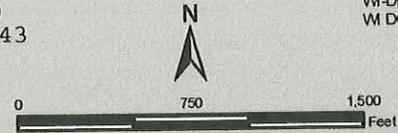
~ SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

PLSS Sections

Sources:
USDA-NRCS SSURGO
2008 NAIP imagery
W-DNR 24k Hydro
W DOT Roads

■ No Manure Applications

— Perennial Streams

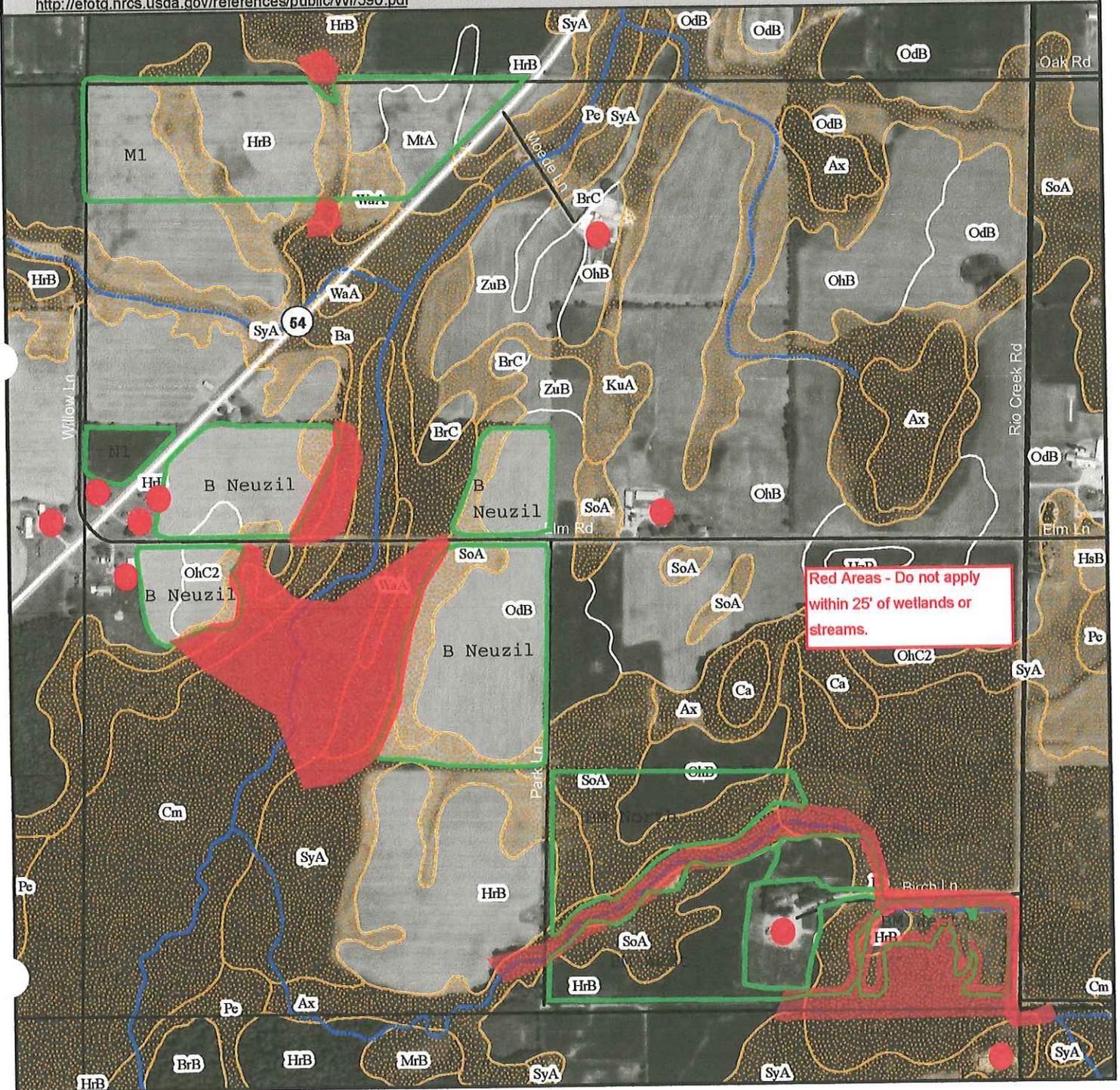


■ Winter Restrictions (if slope > 9%)

- - - Intermittent Streams

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011



Red Areas - Do not apply
within 25' of wetlands or
streams.

T24N R24E
Section 10
Kewaunee Co.

Ebert Enterprises, LLC Incorporation Restriction Map



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N Restrictions, verify fields are not
saturated before applying manure.

No Manure Applications

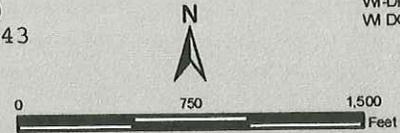
Winter Restrictions (if slope > 9%)

SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

Intermittent Streams

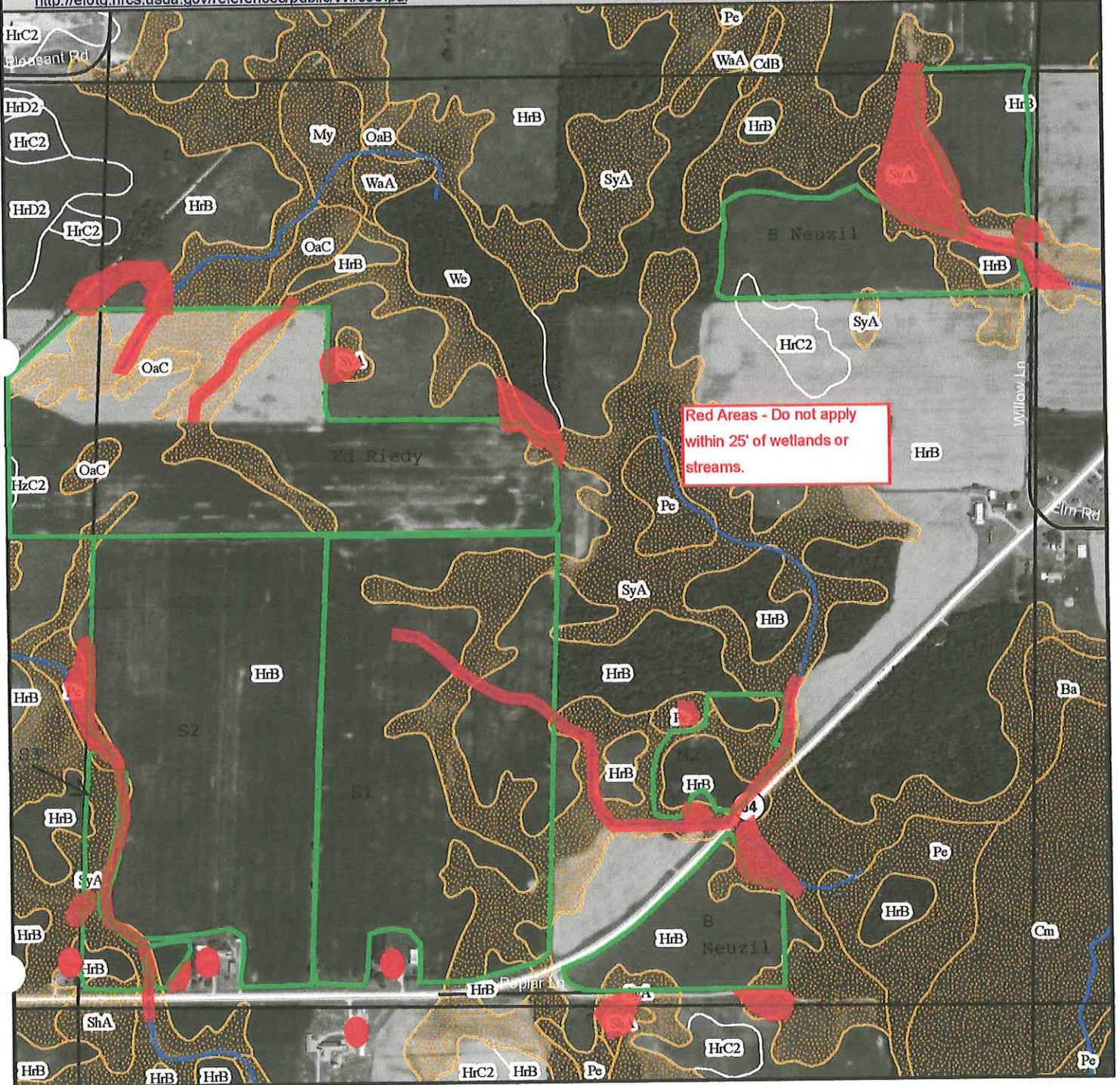
PLSS Sections



Sources:
USDA-NRCS SSURGO
2008 NAIP imagery
W-DNR 24k Hydro
W DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011



T24N R24E
Section 12
Kewaunee Co.

Ebert Enterprises, LLC - Engelking Marit Koehler Incorporation Restriction Map



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure

No Manure Applications

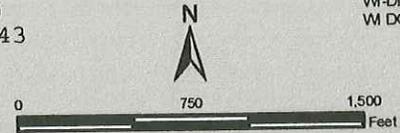
Winter Restrictions (if slope > 9%)

SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

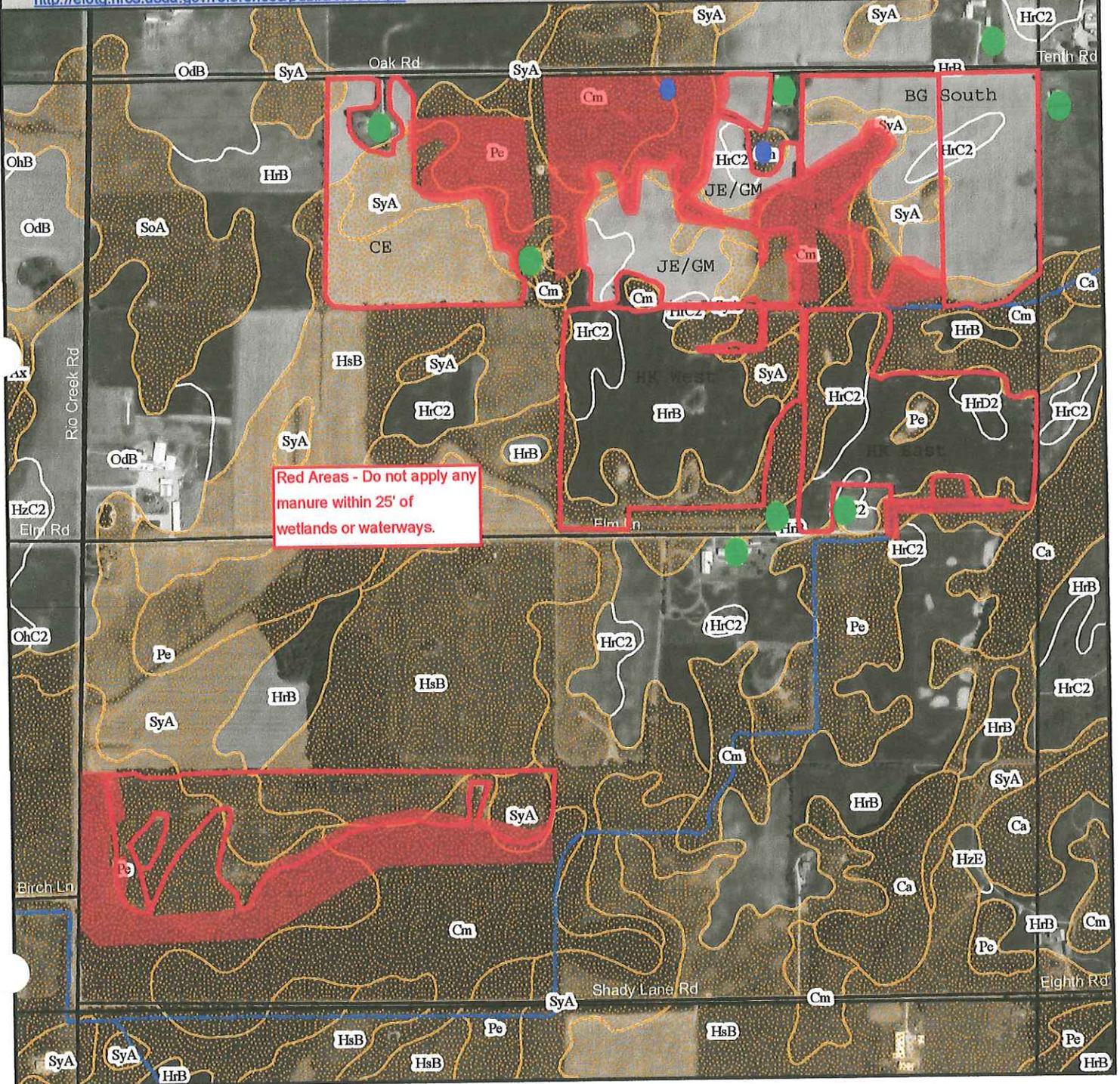
Intermittent Streams

PLSS Sections



Sources:
USDA-NRCS SSURGO
2008 NAIP imagery
W-DNR 24k Hydro
W DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efota.nrcs.usda.gov/references/public/WI/590.pdf>
Apr 05, 2011



T24N R24E
Section 1
Kewaunee Co.

**Ebert Enterprises, LLC - Anderson & Boeder
Incorporation Restriction Map**



● Well - No manure applications within 100'



**Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure**



No Manure Applications



Winter Restrictions (if slope > 9%)



SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243



Perennial Streams



Intermittent Streams



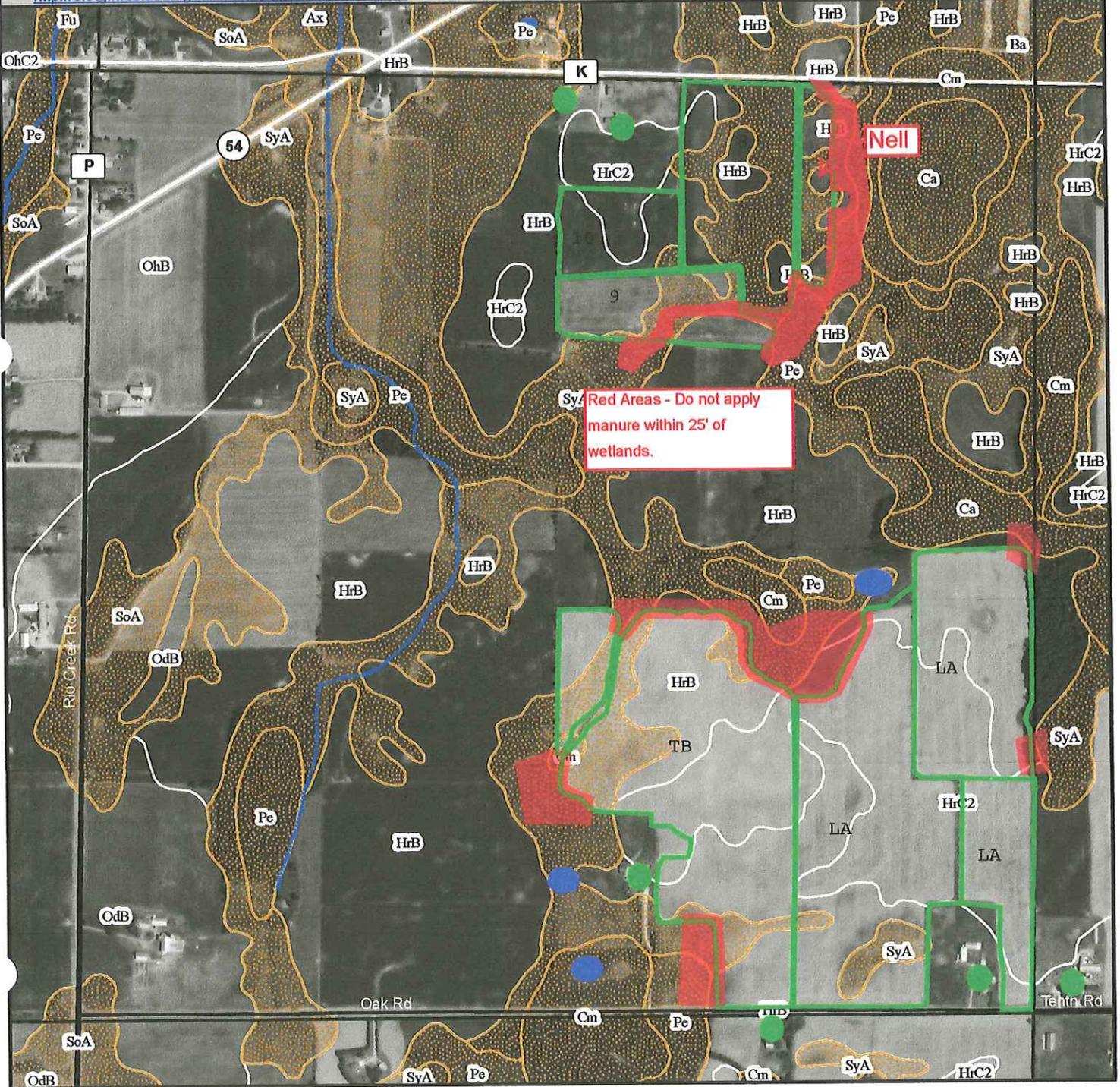
PLSS Sections



0 750 1,500
Feet

Sources:
USDA-NRCS SSURGO
2008 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>
Apr 05, 2011



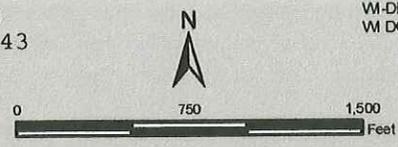
T24N R24E
Section 13
Kewaunee Co.

**Ebert Enterprises, LLC - DM Sharon Mueller
Incorporation Restriction Map**



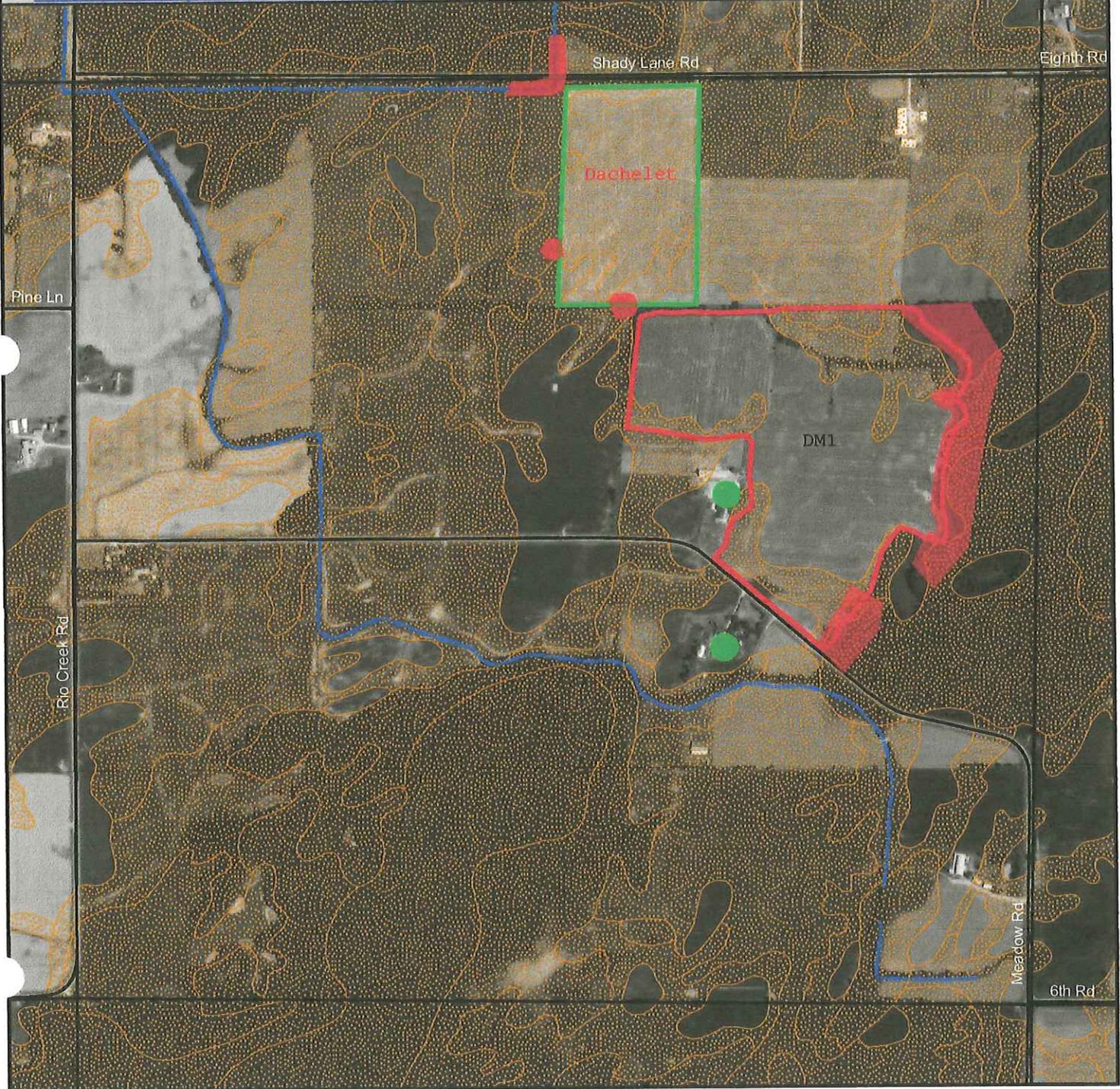
- Well - No manure applications within 100'
- Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not saturated before applying manure
- No Manure Applications
- Winter Restrictions (if slope > 9%)
- SWQMA 300'/1000' Buffers (No Winter Application, Other Non-Winter Restrictions) As described in NR 243
- Perennial Streams
- Intermittent Streams
- PLSS Sections

Sources:
USDA-NRCS SSURGO
2008 NAIP Imagery
WI-DNR 24k Hydro
WI DOT Roads



This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011



T25N R24E
Section 17
Kewaunee Co.

**Ebert Enterprises, LLC - Staats Lincoln Farm -
West
Incorporation Restriction Map**



Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-Fall N restrictions, verify fields are not saturated before applying manure

No Manure Applications

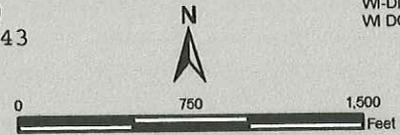
Winter Restrictions (if slope > 9%)

SWQMA (No Winter Application, Other Non-Winter Restrictions) As described in NR 243

Perennial Streams

Intermittent Streams

PLSS Sections

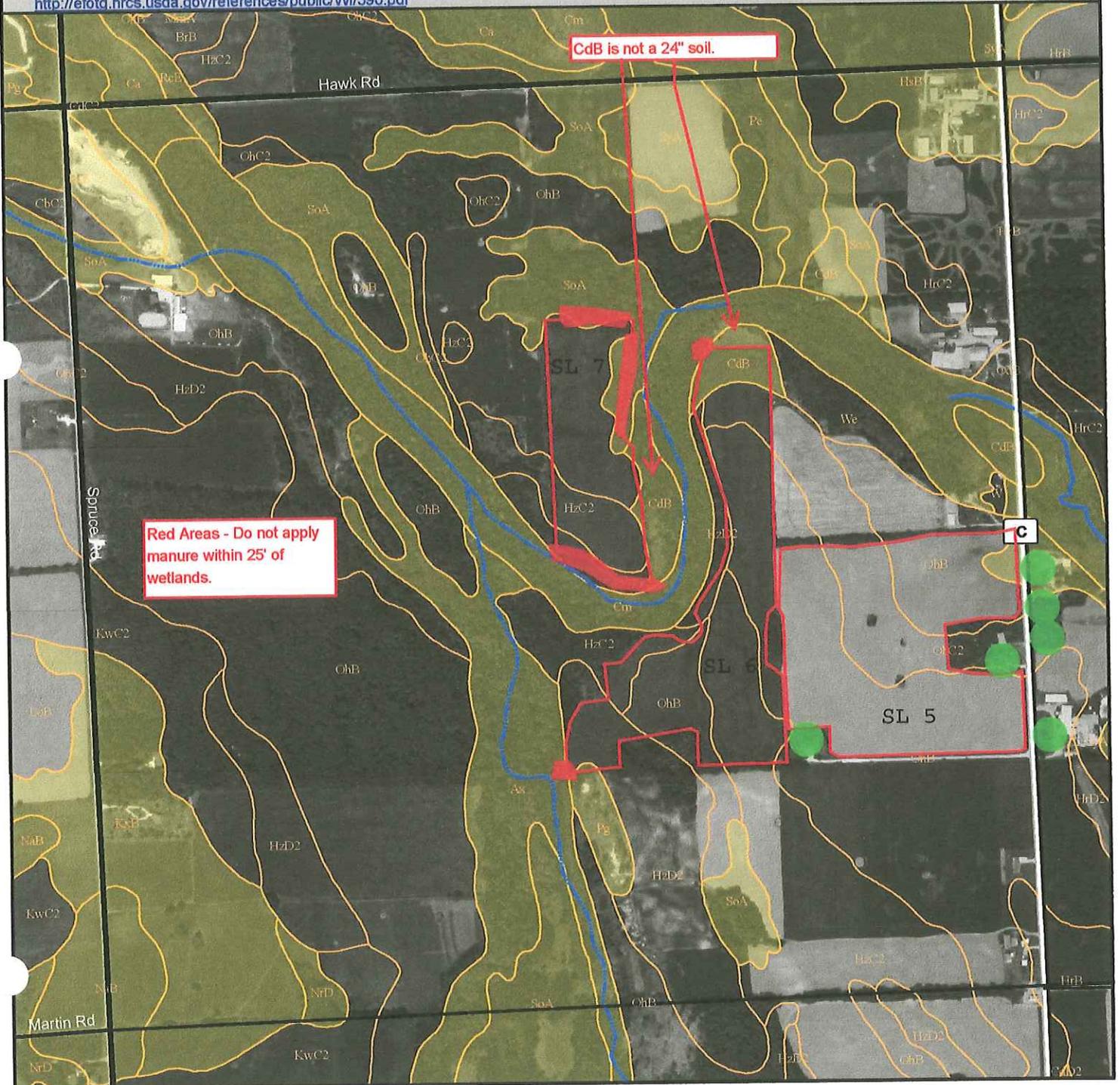


Sources:
USDA-NRCS SSURGO
2005 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.

Oct 08, 2008

<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>



T25N R24E
Section 16
Kewaunee Co.

**Ebert Enterprises, LLC - Staats Lincoln Farm -
East
Incorporation Restriction Map**



Well - No manure applications within 100'

Soils w/high potential for Nitrate
Leaching-Fall N restrictions, verify fields
are not saturated before applying manure

No Manure Applications

Winter Restrictions (if slope > 9%)

SWQMA
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

Intermittent Streams

PLSS Sections



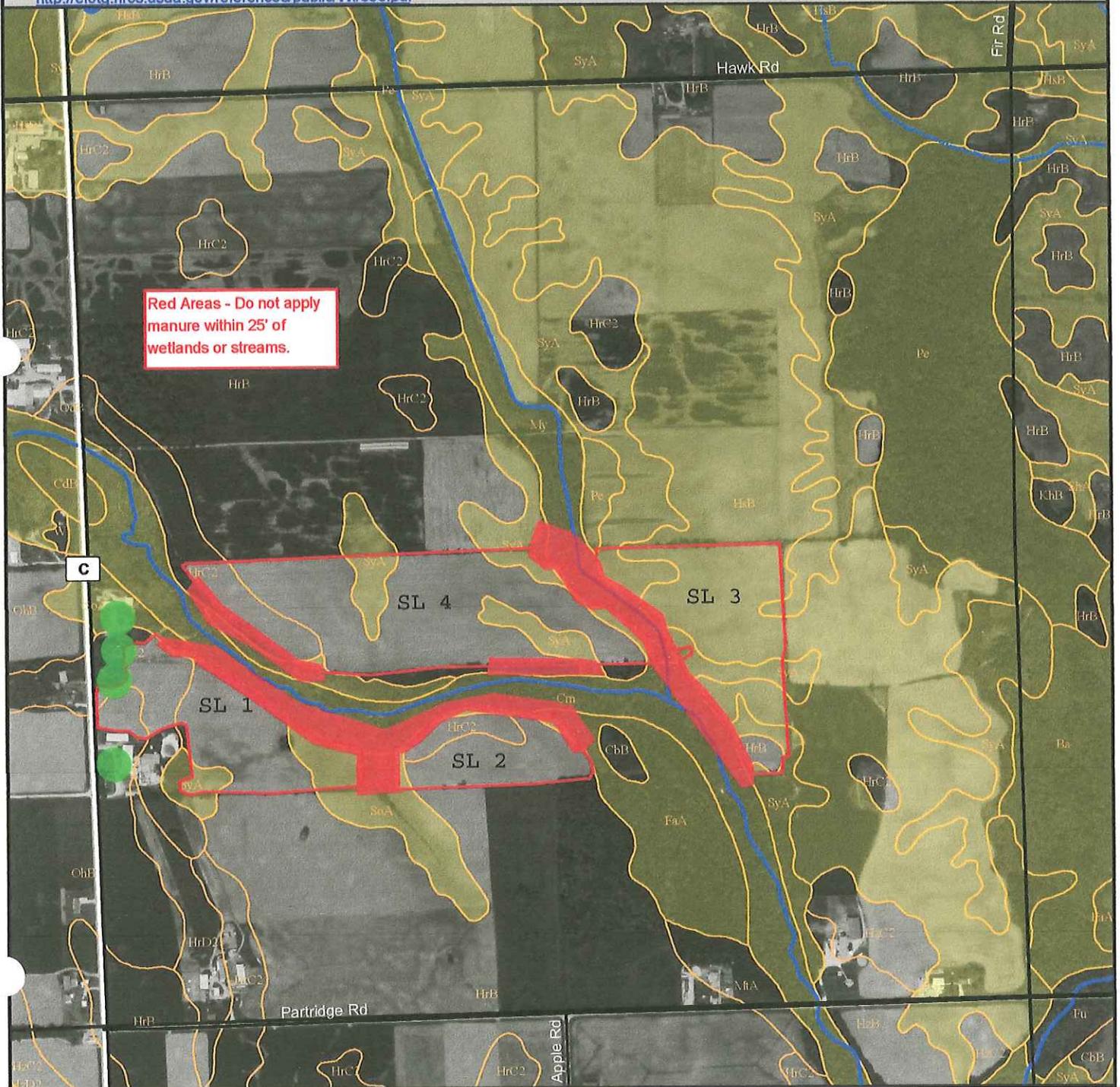
0 750 1,500
Feet

Sources:
USDA-NRCS SSURGO
2005 NAIP Imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.

Oct 08, 2008

<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>



T25N R24E
Section 36
Kewaunee Co.

Ebert Enterprises, LLC Incorporation Restriction Map



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure.

No Manure Applications

Winter Restrictions (if slope > 9%)

SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

Intermittent Streams

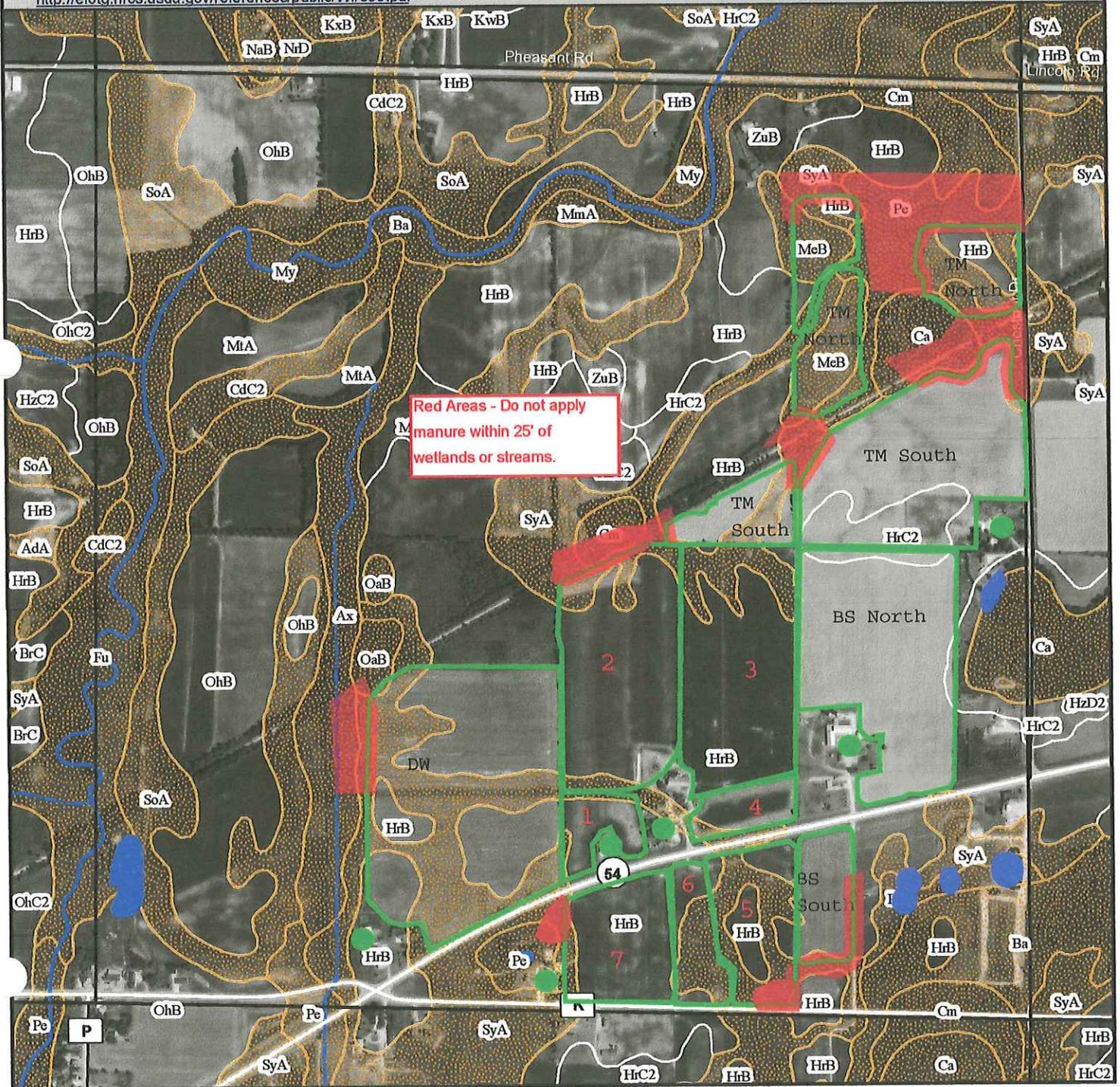
PLSS Sections



Sources:
USDA-NRCS SSURGO
2008 NAIP Imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011



T24N R25E
Section 6
Kewaunee Co.

Ebert Enterprises, LLC - DB & Glander Farm Incorporation Restriction Map



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure

No Manure Applications

Winter Restrictions (if slope > 9%)



SWQMA
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

Intermittent Streams



PLSS Sections

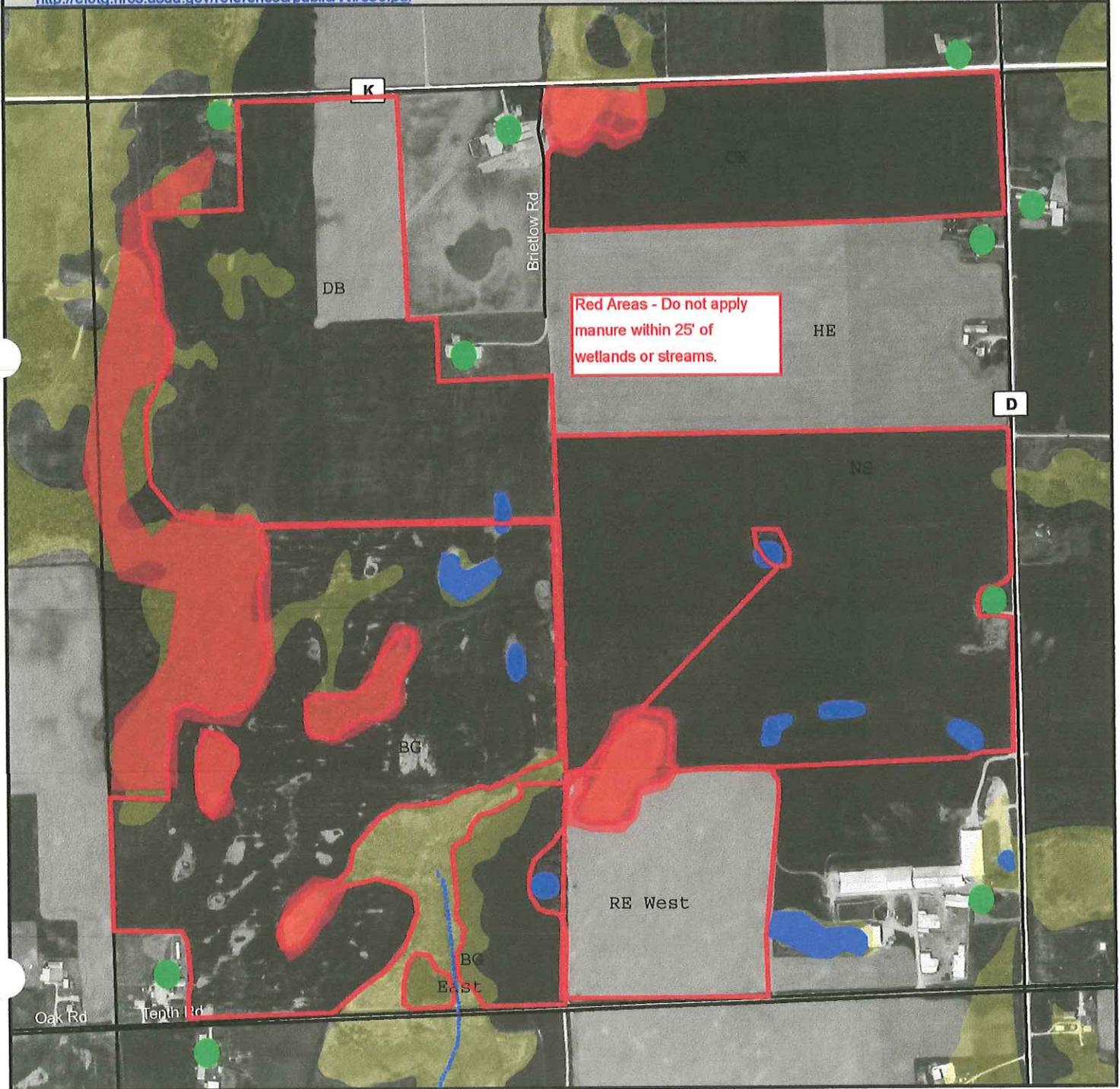


0 750 1,500
Feet

Sources:
USDA-NRCS SSURGO
2005 NAIP Imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Oct 08, 2008



T24N R25E
Section 7
Kewaunee Co.

Ebert Enterprises, LLC - Home South Incorporation Restriction Map



● Well - No manure application within 100'

Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure.

No Manure Applications

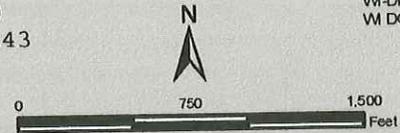
Winter Restrictions (if slope > 9%)

SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

Intermittent Streams

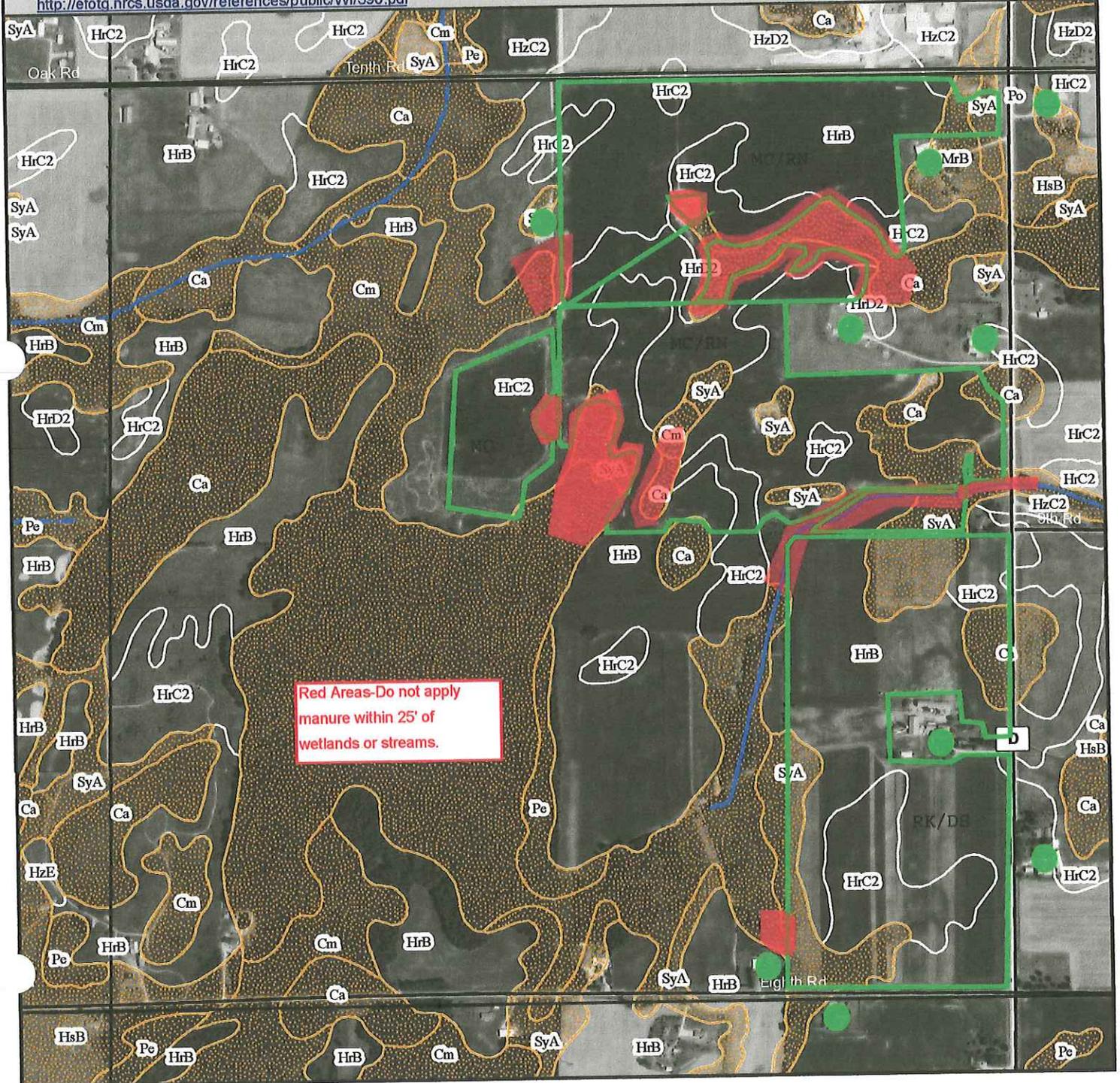
PLSS Sections



Sources:
USDA-NRCS SSURGO
2008 NAIP imagery
W-DNR 24k Hydro
W DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011



T24N R25E
Section 18
Kewaunee Co.

**Ebert Enterprises, LLC - John Bitzan
Incorporation Restriction Map**



● Well - No manure application within 100'



Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure.



SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243



PLSS Sections

Sources:
USDA-NRCS SSURGO
2008 NAIP Imagery
WI-DNR 24k Hydro
WI DOT Roads



No Manure Applications



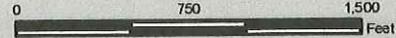
Perennial Streams



Winter Restrictions (if slope > 9%)

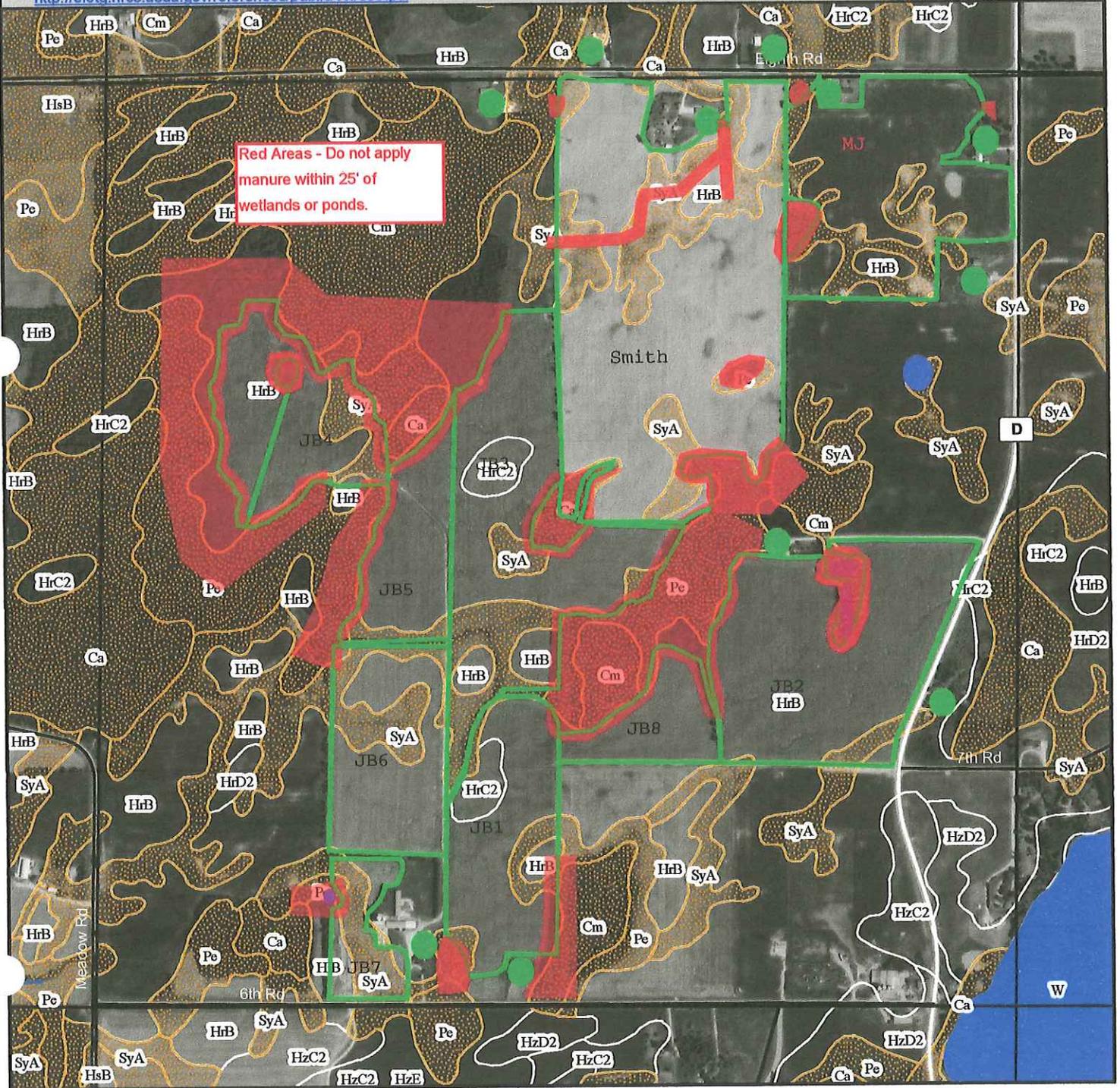


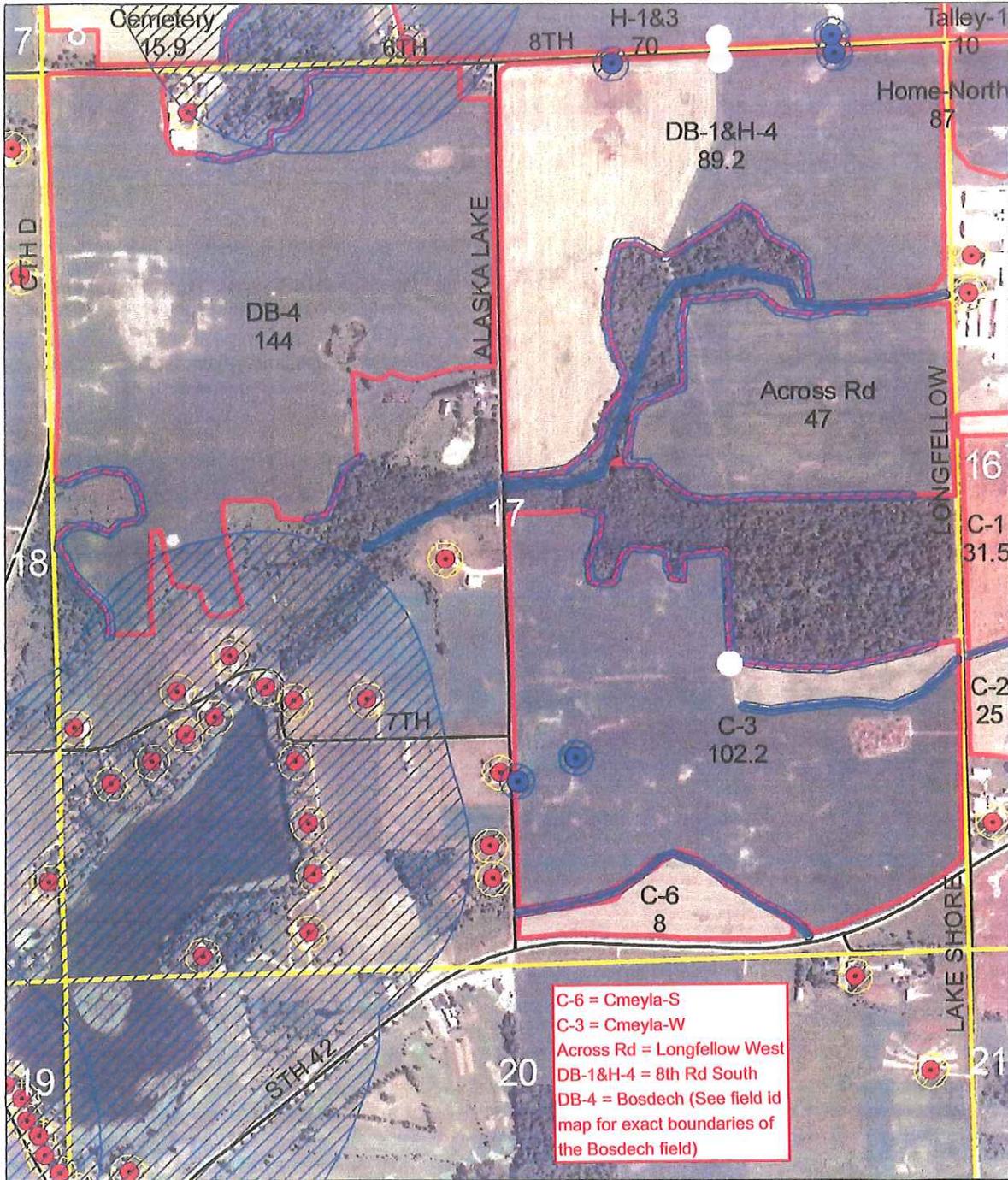
Intermittent Streams



This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011





Duescher's Legendary Farms, Home West
 Spring, Summer, Fall, Hazard Map.



KOSS AG LLC
Crop Consulting
CCA# 14151
920-255-3303

- Legend**
- Elevations
 - 100ft. 1st wet buffer
 - Manure Pipe
 - Intermittent Streams
 - 1st Stream ZFI Buffer
 - Lakes & Ponds SWQMA
 - Wetland edge
 - Wetland edge_ZFI buffer
 - Inducible
 - possible wet
 - 100ft wet buffer
 - Kawance Section Lines
 - Kawance Roads



**Ebert Enterprises, LLC - RS Sibilsky & Ackerman
Farm
Incorporation Restriction Map**



Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure.

No Manure Applications

Winter Restrictions (if slope > 9%)

SWQMA
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

Intermittent Streams

PLSS Sections



0 750 1500
Feet

Sources:
USDA-NRCS SSURGO
2005 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Oct 08, 2008



**Red Areas - Do not apply
manure within 25' of
wetlands and streams.**

T24N R25E
Section 19
Kewaunee Co.

Ebert Enterprises, LLC - County Farm Incorporation Restriction Map



Well - No manure applications within 100'

Soils w/high potential for Nitrate
Leaching-Fall N restrictions, verify fields
are not saturated before applying manure

SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

PLSS Sections

Sources:
USDA-NRCS SSURGO
2008 NAIP Imagery
WI-DNR 24k Hydro
WI DOT Roads

No Manure Applications

Perennial Streams

Winter Restrictions (if slope > 9%)

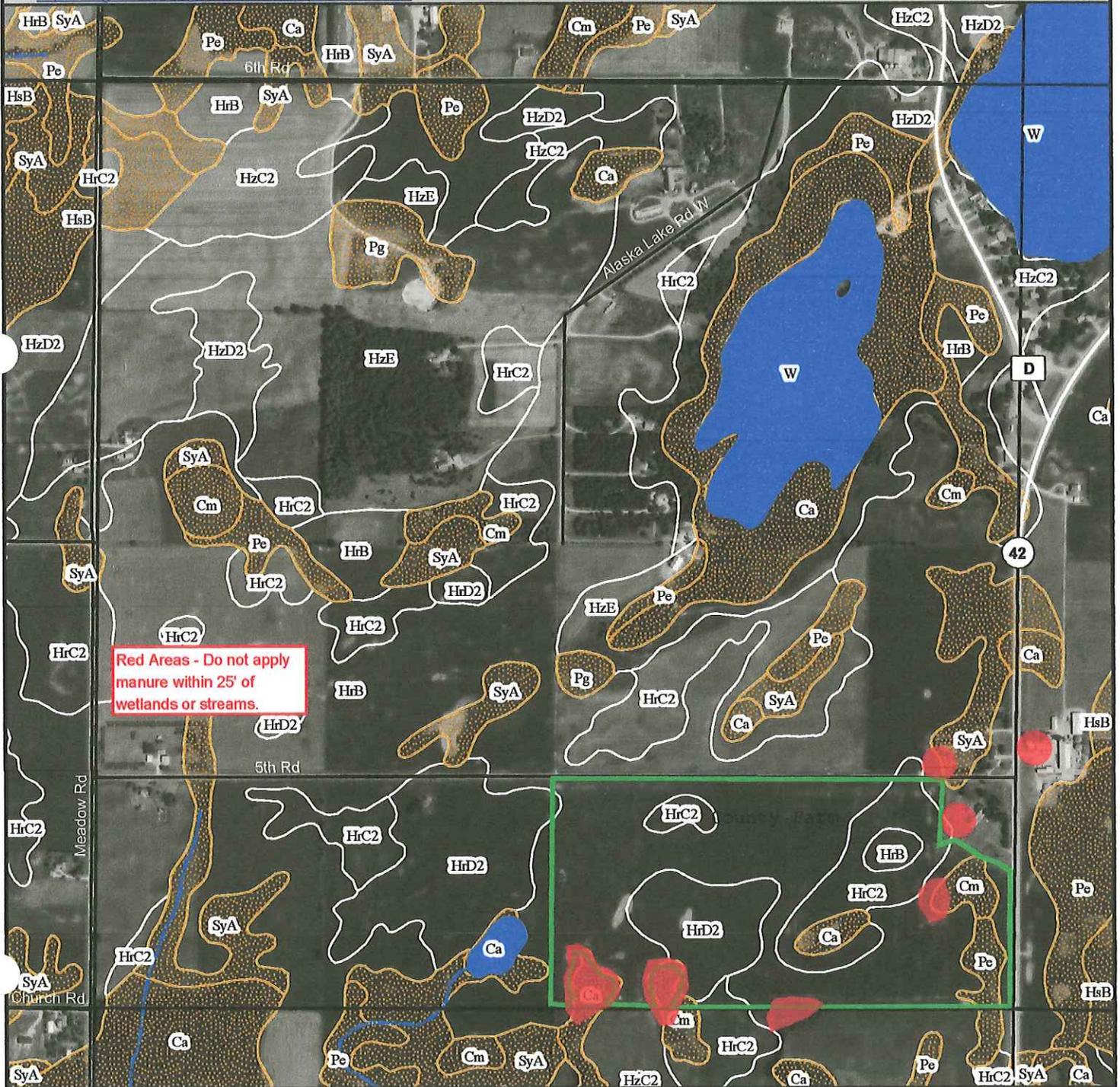
Intermittent Streams

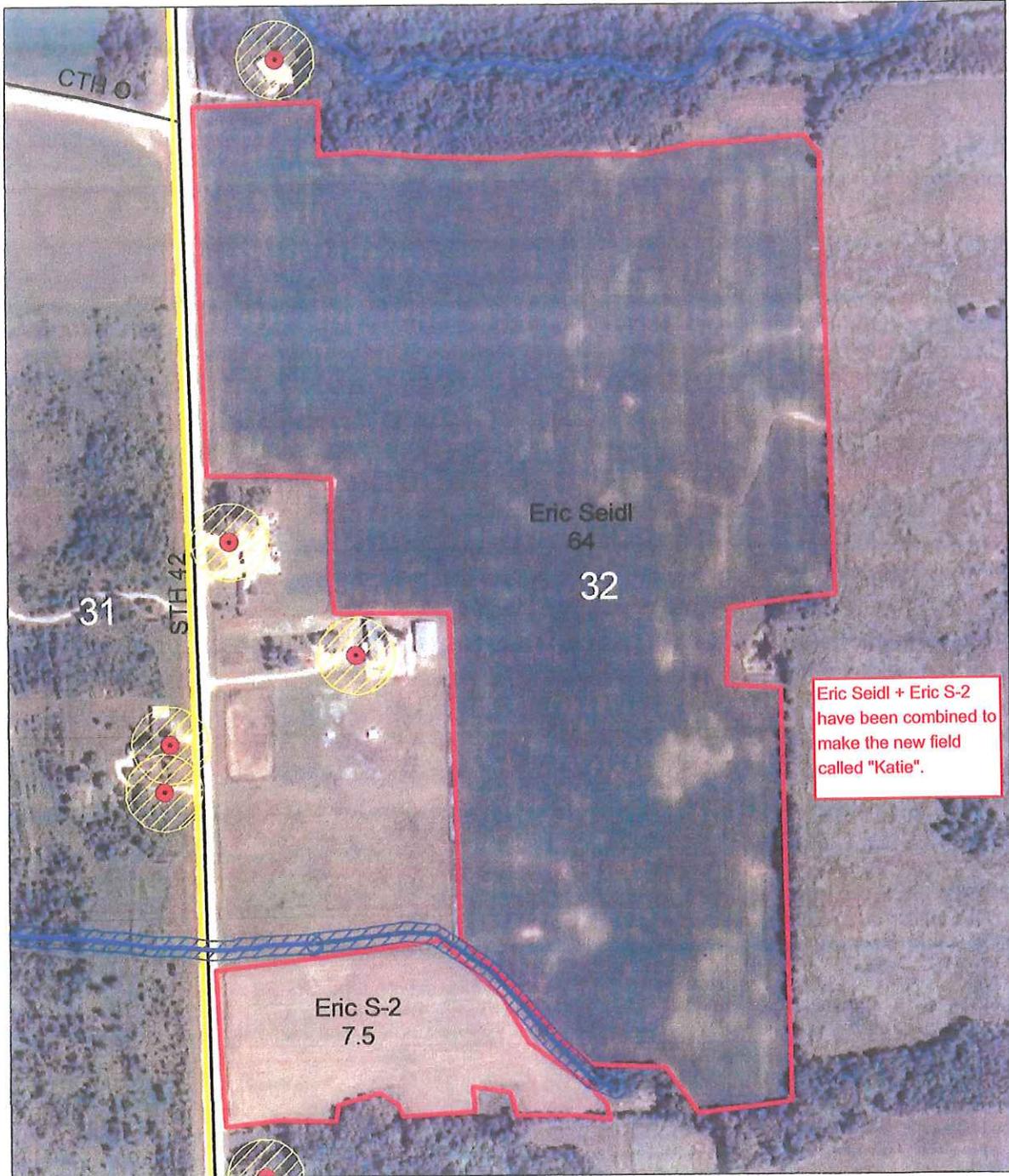
0 750 1,500 Feet

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.

<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011





Duescher's Legendary Farms, Eric Seidl, Farm
Spring, Summer, Fall, Hazard Map.



KOSS AG LLC
Crop Consulting
CCA# 14151
920-255-3303

Legend

-  Intermittent Streams
-  25ft Stream buffer
-  Duescher
-  possible_well
-  100ft well buffer
-  Kewaunee Section Lines
-  Kewaunee Roads



T23N R25E
Section 5
Kewaunee Co.

Ebert Enterprises, LLC - Mike Seidl & Glen Teske Farm - Incorporation Restriction Map



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching - Fall N restrictions, verify fields are not saturated before applying manure.

No Manure Applications

Winter Restrictions (if slope > 9%)

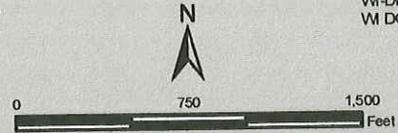
SWQMA 300'/1000' Buffers (No Winter Application, Other Non-Winter Restrictions)

Perennial Streams

Intermittent Streams

PLSS Sections

Sources:
USDA-NRCS SSURGO
2008 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads



This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011



T23N R25E
Section 8
Kewaunee Co.

Ebert Enterprises, LLC Incorporation Restriction Map



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N restriction, verify fields are not
saturated before applying manure

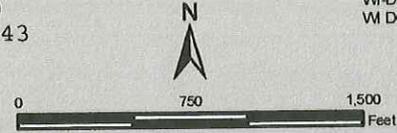
SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

PLSS Sections

Sources:
USDA-NRCS SSURGO
2008 NAIP Imagery
WI-DNR 24k Hydro
WI DOT Roads

No Manure Applications

Perennial Streams

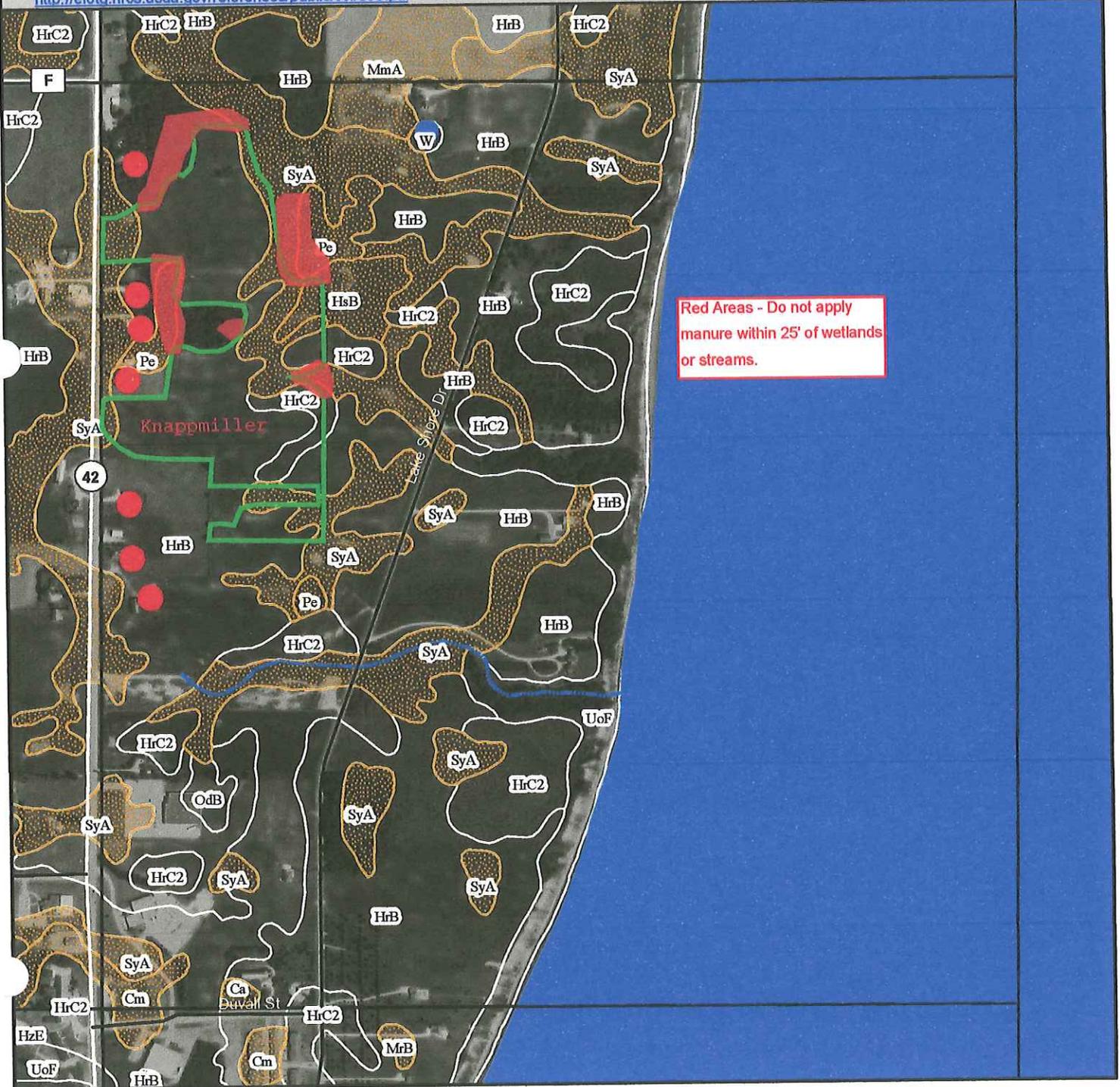


Winter Restrictions (if slope > 9%)

Intermittent Streams

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011



Red Areas - Do not apply
manure within 25' of wetlands
or streams.

T24N R24E
Section 34
Kewaunee Co.

Ebert Enterprises, LLC - Staats Home Farm - North - Incorporation Restriction Map



● Well - No manure applications within 100'

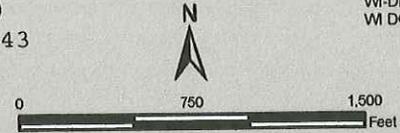
Soils w/high potential for Nitrate Leaching-Fall N restrictions, verify fields are not saturated before applying manure

No Manure Applications

Winter Restrictions (if slope > 9%)

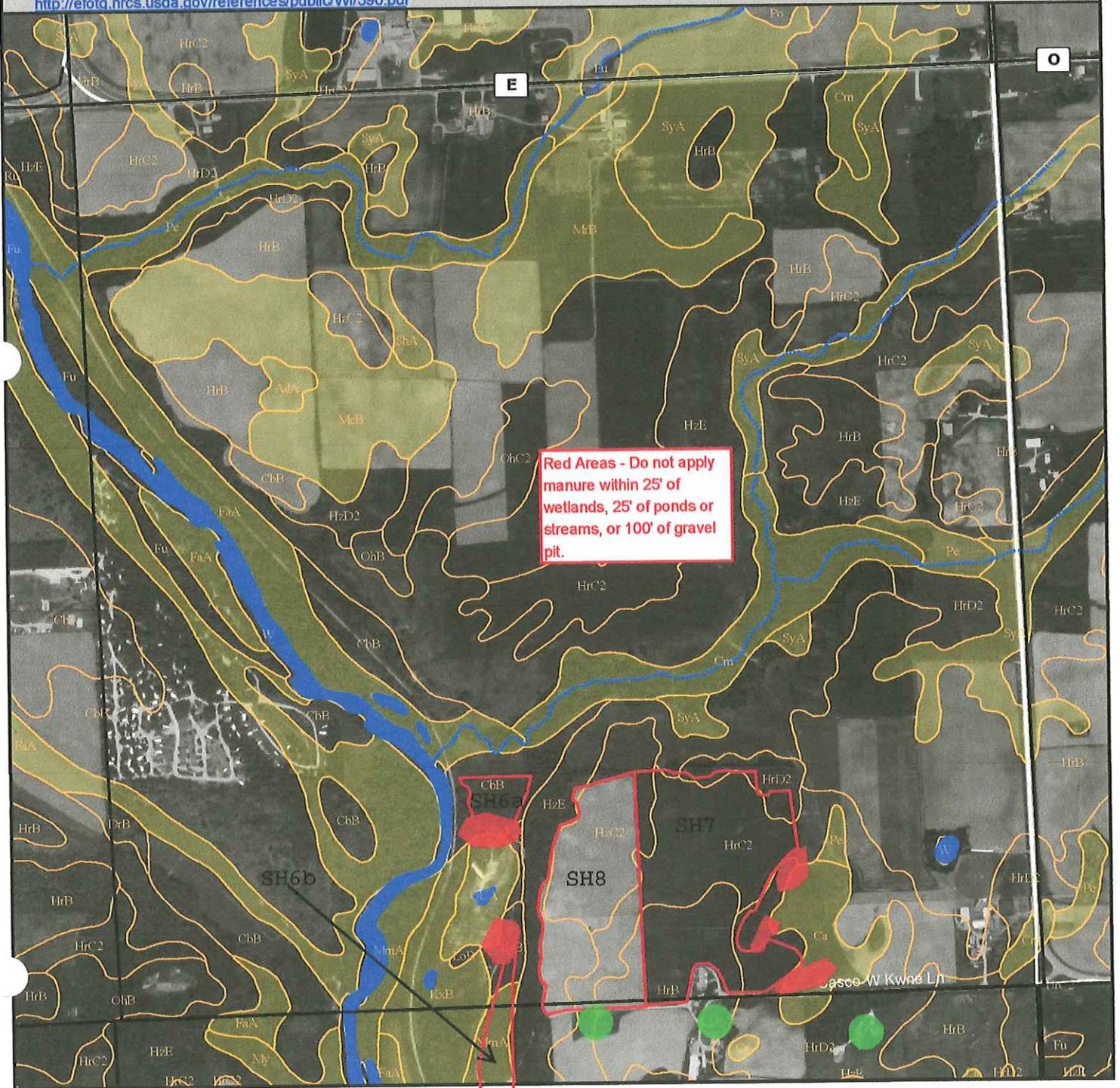
SWQMA (No Winter Application, Other Non-Winter Restrictions)
As described in NR 243
Perennial Streams
Intermittent Streams

PLSS Sections



Sources:
USDA-NRCS SSURGO
2005 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>
Oct 08, 2008



T24N R24E
Section 36
Kewaunee Co.

**Ebert Enterprises, LLC - Staats on O Farm -
SO 5 Field - Incorporation Restriction Map**



Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure.

No Manure Applications

Winter Restrictions (if slope > 9%)

SWQMA
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

Intermittent Streams

PLSS Sections



0 750 1,500
Feet

Sources:
USDA-NRCS SSURGO
2005 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Oct 08, 2008



T24N R25E
Section 31
Kewaunee Co.

Ebert Enterprises, LLC - Staats on O Farm Incorporation Restriction Map



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N restrictions, verify fields are not
saturated before applying manure.

No Manure Applications

Winter Restrictions (if slope > 9%)

SWQMA
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Intermittent Streams

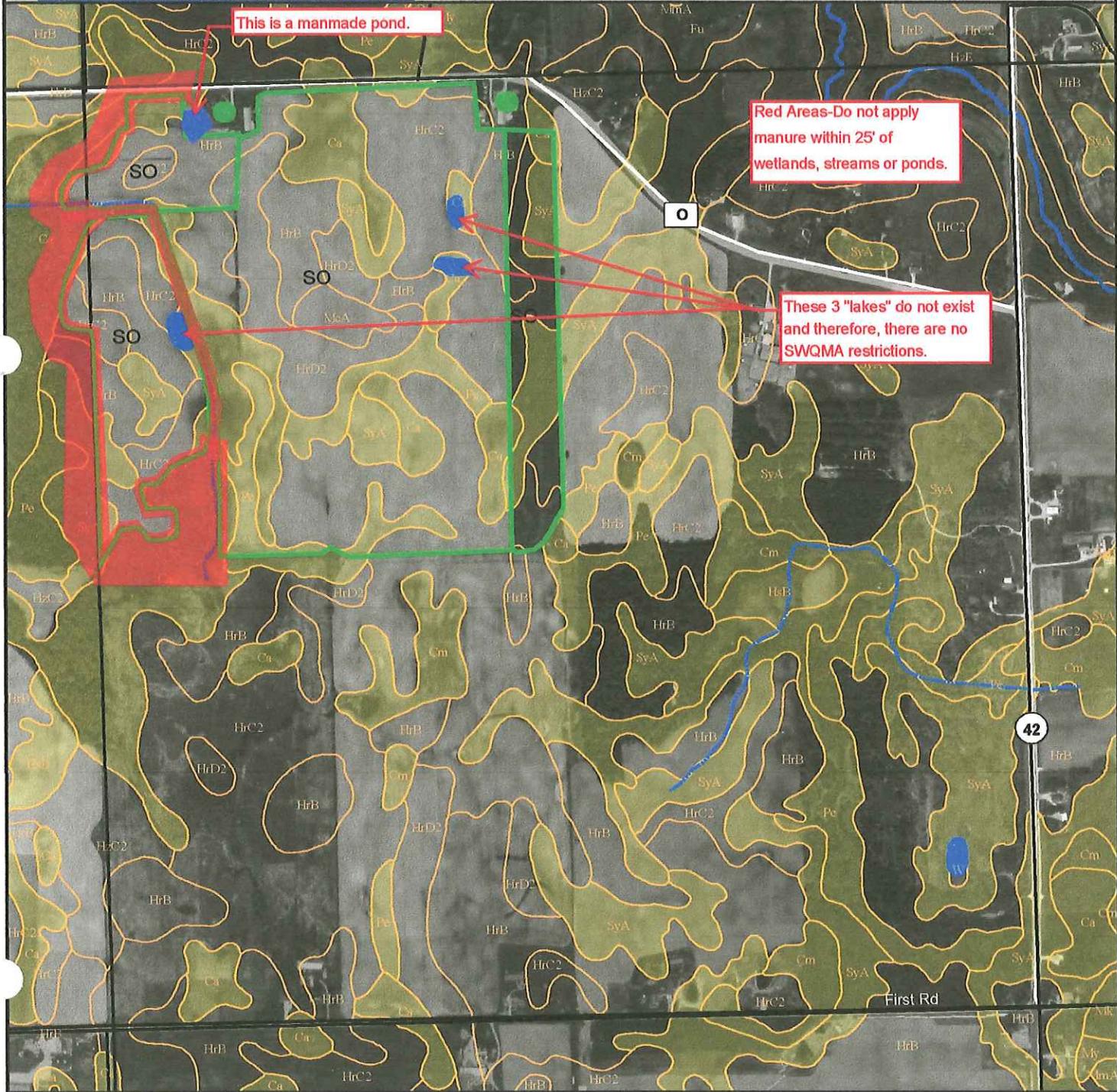
PLSS Sections



Sources:
USDA-NRCS SSURGO
2005 NAIP Imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Oct 08, 2008



T25N R25E
Section 22
Kewaunee Co.

Ebert Enterprises, LLC Incorporation Restriction Map



● Well - No manure applications within 100'

Soils w/high potential for Nitrate Leaching-
Fall N restriction, verify fields are not
saturated before applying manure

No Manure Applications

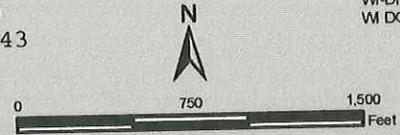
Winter Restrictions (if slope > 9%)

SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243

Perennial Streams

Intermittent Streams

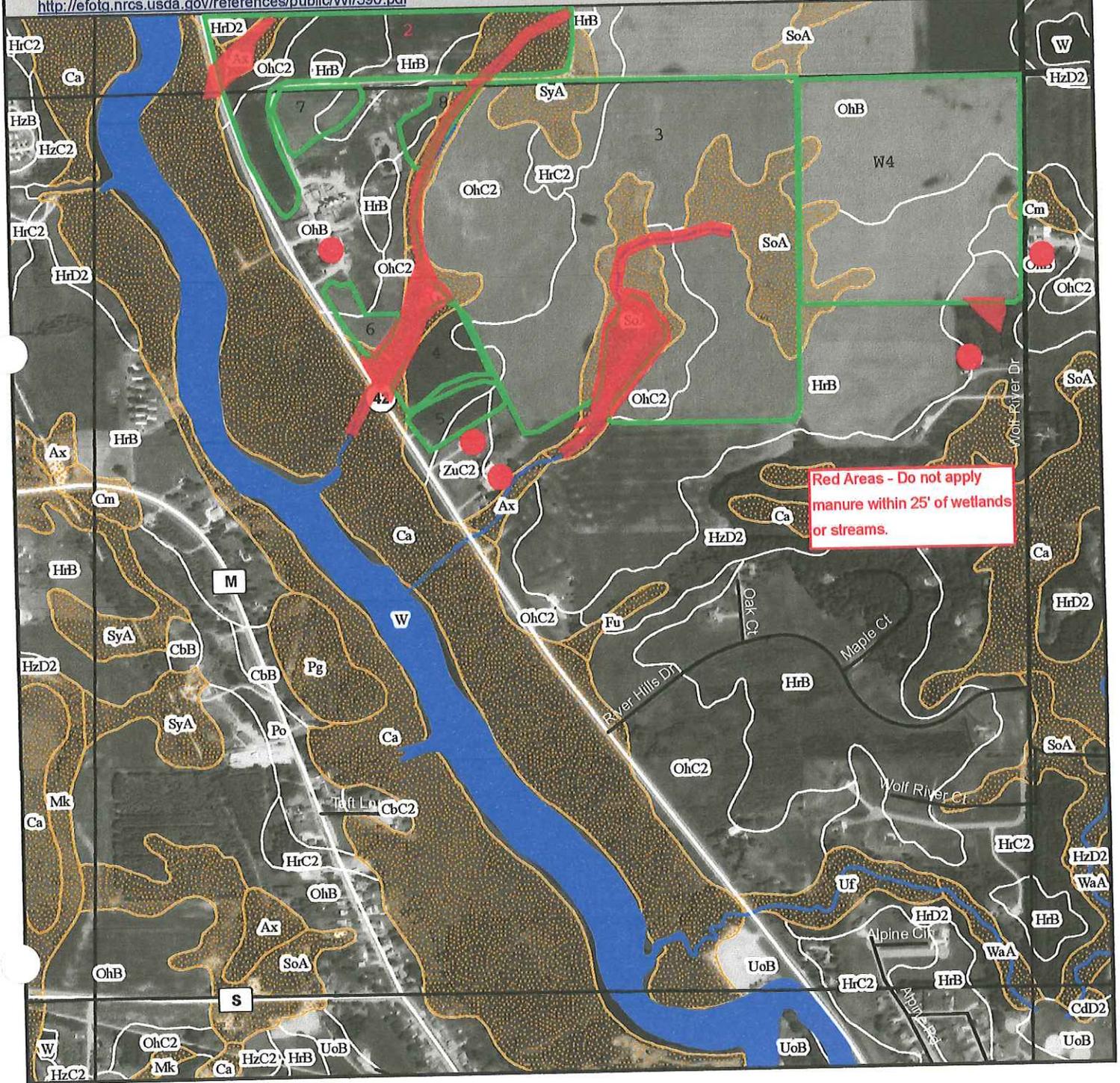
PLSS Sections



Sources:
USDA-NRCS SSURGO
2008 NAIP imagery
W-DNR 24k Hydro
W DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011



T24N R24E
Section 2
Kewaunee Co.

Ebert Enterprises, LLC Incorporation Restriction Map



● Well - No manure applications within 100'

- Soils w/high potential for Nitrate Leaching - Fall N restriction, verify fields are not saturated before applying manure
- No Manure Applications
- Winter Restrictions (if slope > 9%)

- SWQMA 300'/1000' Buffers (No Winter Application, Other Non-Winter Restrictions) As described in NR 243
- Perennial Streams
- Intermittent Streams

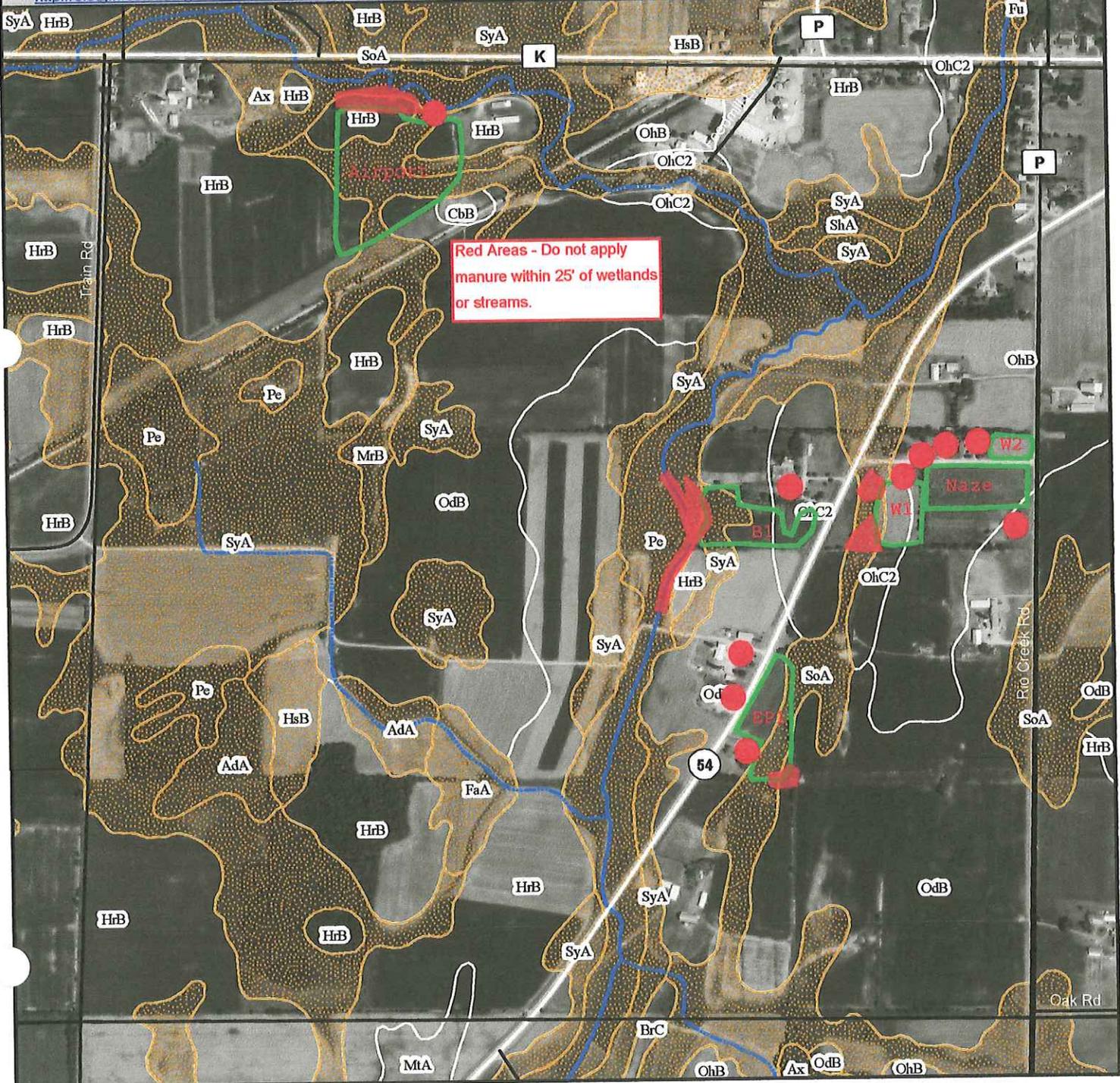
PLSS Sections

N

0 750 1,500 Feet

Sources:
USDA-NRCS SSURGO
2008 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>
Apr 05, 2011



T24N R24E
Section 3
Kewaunee Co.

Ebert Enterprises, LLC Incorporation Restriction Map



● Well - No manure applications within 100'



Soils w/high potential for Nitrate Leaching-
Fall N restriction, verify fields are not
saturated before applying manure



SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243



PLSS Sections

Sources:
USDA-NRCS SSURGO
2008 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads



No Manure Applications



Perennial Streams



Winter Restrictions (if slope > 9%)



Intermittent Streams



0 750 1,500
Feet

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011



T24N R24E
Section 4
Kewaunee Co.

Ebert Enterprises, LLC Incorporation Restriction Map

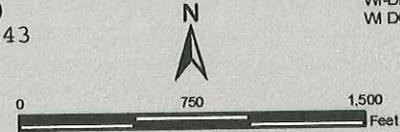


● Well - No manure applications within 100'

- Soils w/high potential for Nitrate Leaching-
Fall N restriction, verify fields are not saturated before applying manure
- No Manure Applications
- Winter Restrictions (if slope > 9%)

- SWQMA 300'/1000' Buffers
(No Winter Application,
Other Non-Winter Restrictions)
As described in NR 243
- Perennial Streams
- Intermittent Streams

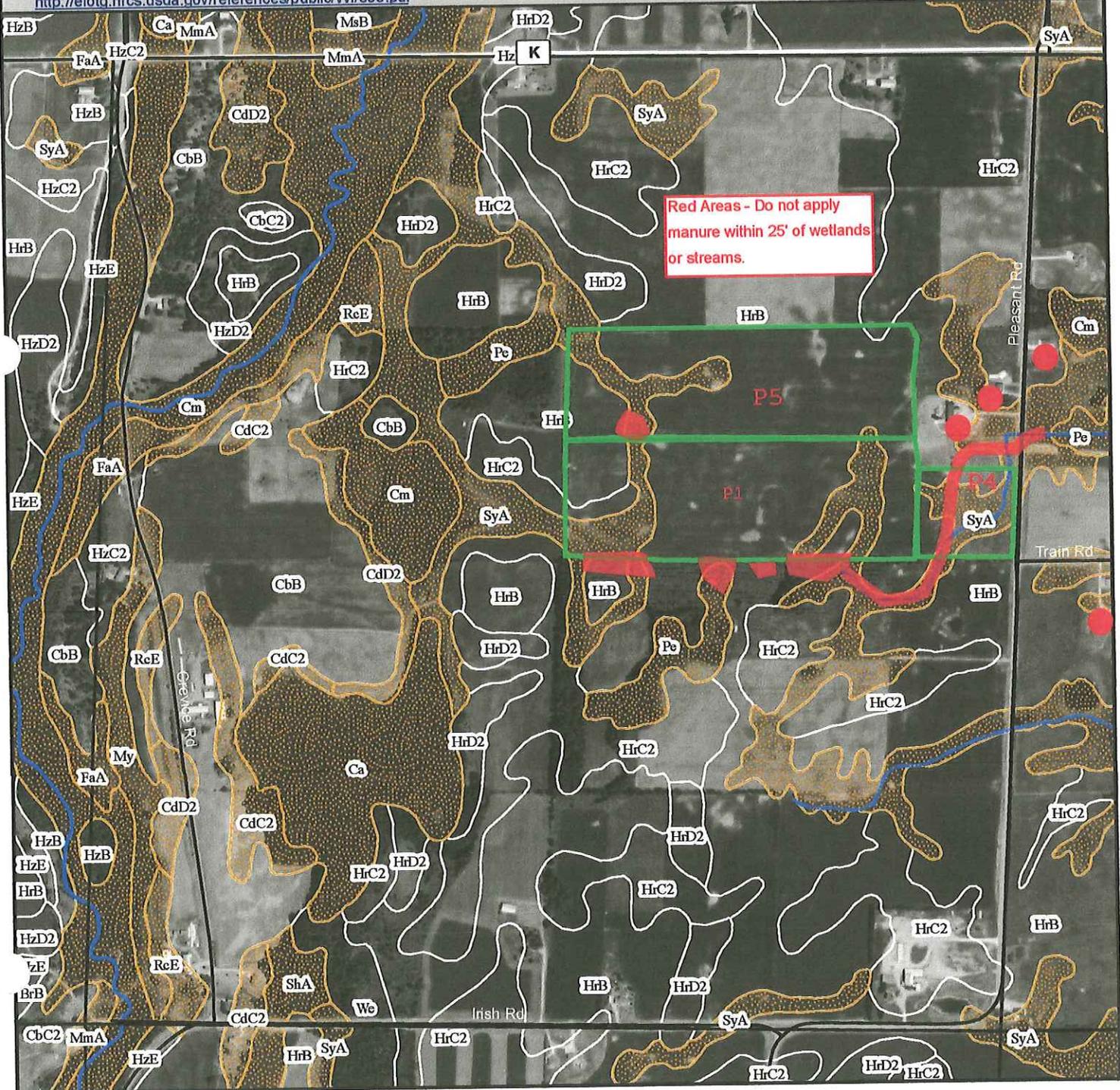
PLSS Sections



Sources:
USDA-NRCS SSURGO
2008 NAIP imagery
WI-DNR 24k Hydro
WI DOT Roads

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Apr 05, 2011



Red Areas - Do not apply manure within 25' of wetlands or streams.

P5
P1

Wisconsin 590 Nutrient Management Application Restrictions



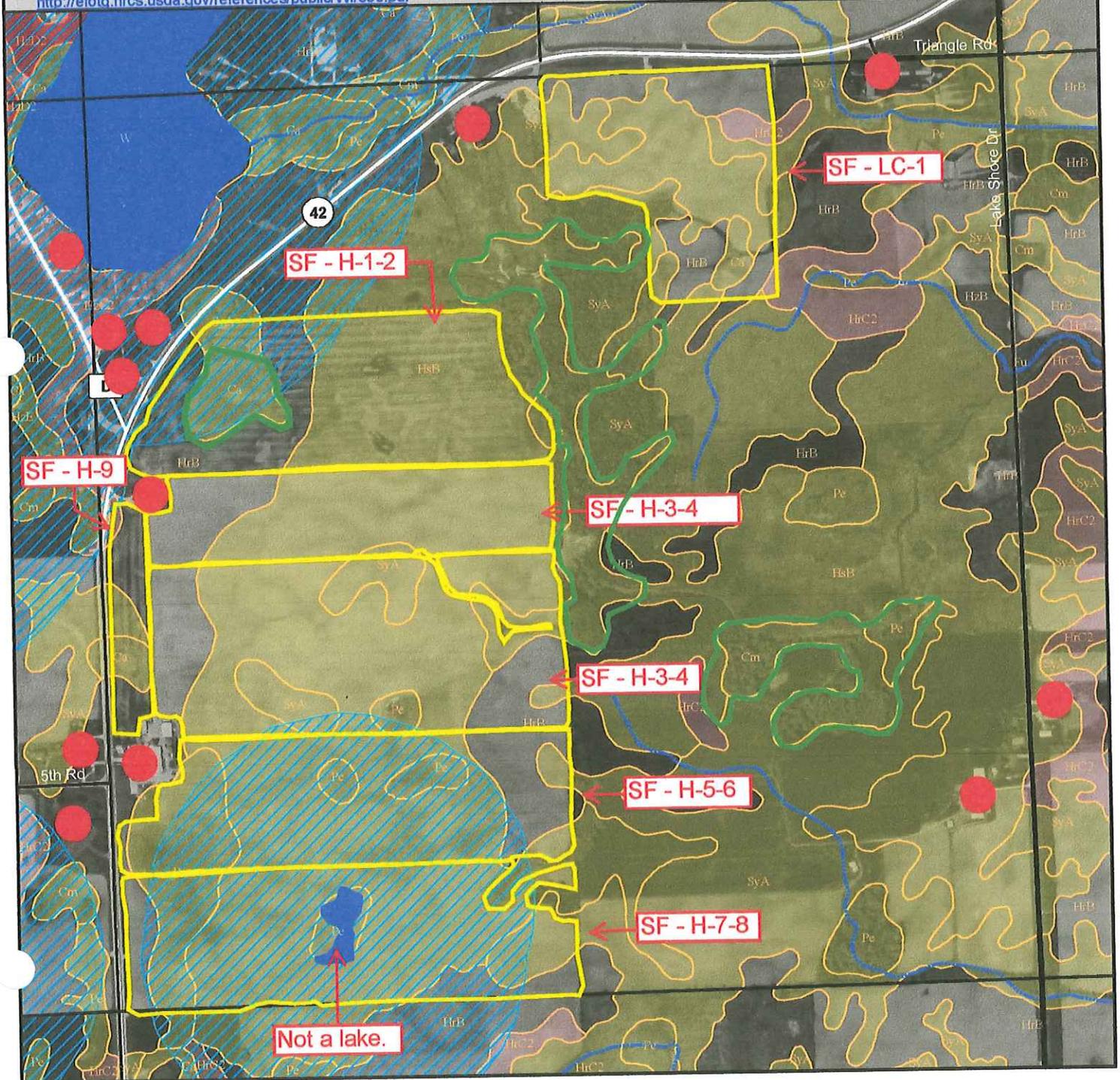
Fall N Restrictions	25' Setback Wetland	SWQMA (No Winter Application, Other Non-Winter Restrictions)	PLSS Sections	Sources: USDA-NRCS SSURGO 2005 NAIP Imagery M-DNR 24k Hydro M-DOT Roads
<24" to R Soils	No Winter Application (slope > 12%)	Setback: 25' Incorp/Inject, 100' Surface Perennial Streams	Field Border	
Winter Restrictions (if slope > 9%)	Intermittent Streams Concentrated Flow Channels	100' Setback	Well	Conduit to Groundwater
			Field Name	

0 750 1,500 Feet

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions.

<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>

Revised 1.28.13



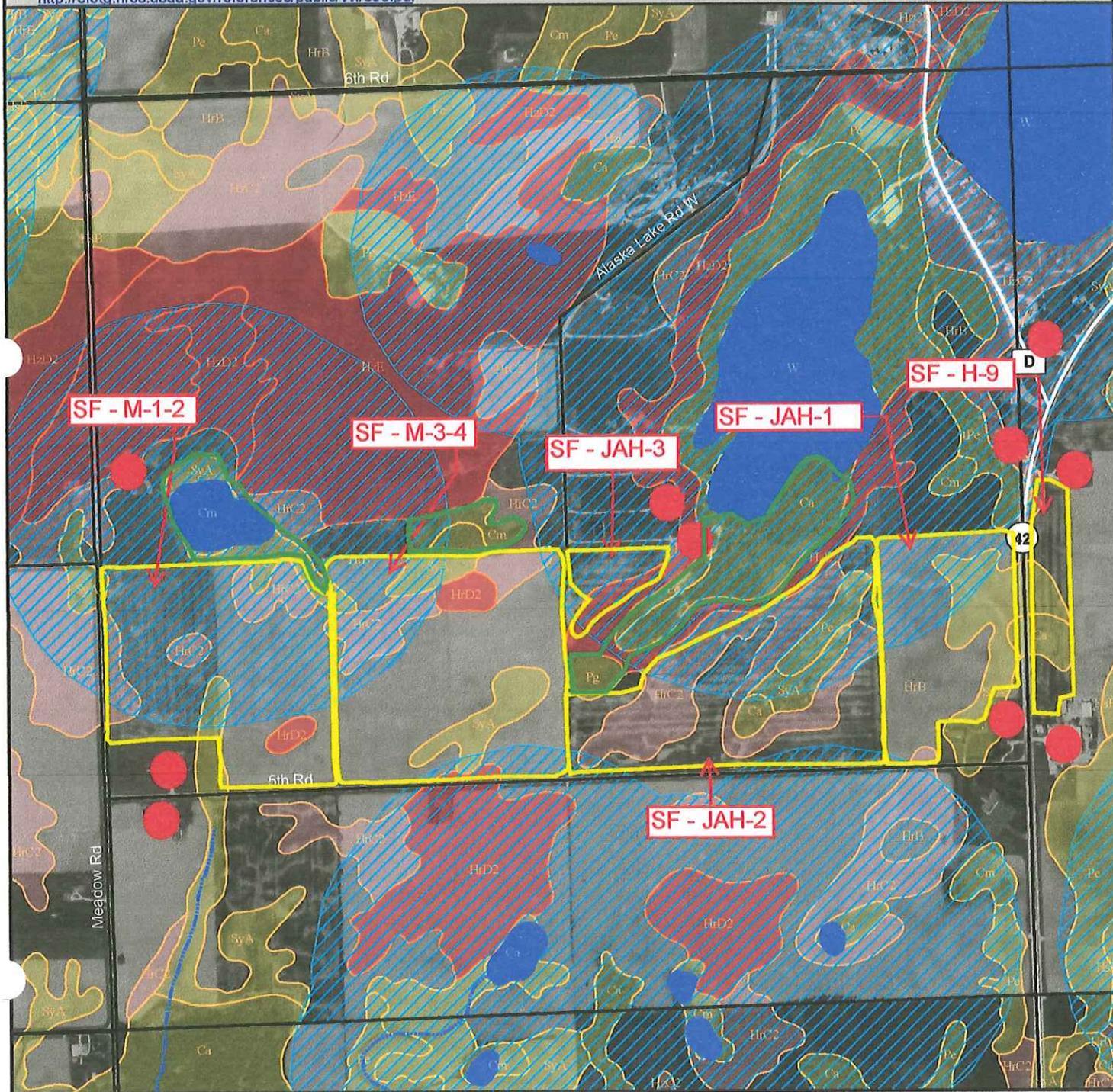
Wisconsin 590 Nutrient Management Application Restrictions



Fall N Restrictions	25' Setback Wetland	SWQMA (No Winter Application, Other Non-Winter Restrictions)	PLSS Sections	Sources: USDA-NRCS SSURGO 2005 NAIP Imagery WI-DNR 24k Hydro WI DOT Roads
<24" to R Soils		Setback: 25' Incorporate/Inject, 100' Surface Perennial Streams	Field Border	Well
No Winter Application (slope > 12%)		Intermittent Streams Concentrated Flow Channels	Field Name	Conduit to Groundwater
Winter Restrictions (if slope > 9%)			100' Setback	

0 750 1,500 Feet

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions. **Revised 1.28.13**
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>



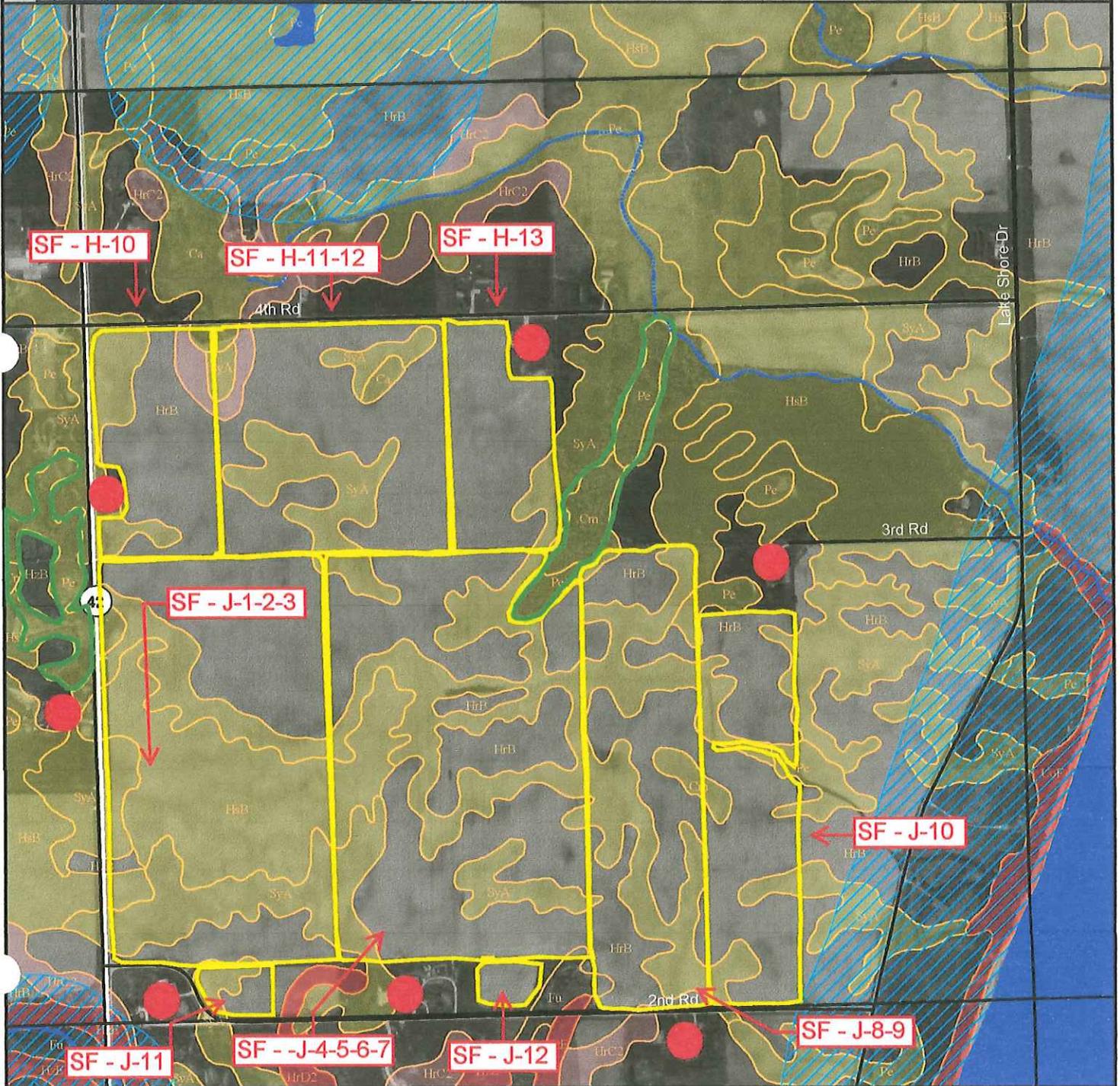
Wisconsin 590 Nutrient Management Application Restrictions



Fall N Restrictions	25' Setback Wetland	SWQMA (No Winter Application, Other Non-Winter Restrictions)	PLSS Sections	Sources: USDA-NRCS SSURGO 2005 NAIP Imagery M-DNR 24k Hydro M DOT Roads
<24" to R Soils		Setback: 25' Incorp/Inject, 100' Surface Perennial Streams	Field Border	Well
No Winter Application (slope > 12%)		Intermittent Streams Concentrated Flow Channels	Field Name	Conduit to Groundwater
Winter Restrictions (if slope > 9%)			100' Setback	

0 750 1,500 Feet

This map has been developed utilizing the nutrient application restrictions from the September 2005 Wisconsin NRCS 590 Nutrient Management Practice Standard. This map is an initial inventory of nutrient spreading risks which must be field verified to identify other risk areas such as concentrated flow channels, wetlands, and conduits to groundwater. See the "Considerations" section of the 590 practice standard for additional planning suggestions. **Revised 1.28.13**
<http://efotg.nrcs.usda.gov/references/public/WI/590.pdf>





Identify Results

Coordinate Position

Lat/Lon: 44° 37' 3" N, 87° 26' 37" W
Decimal Lon/Lat: -87.443664, 44.617394
UTM 16N: 464801, 4940545
WTM91 (x,y): 722815, 463628

Cities and Villages

MCD Fips Code: 01000
Name: Algoma
City Class Code: 4
Area (Sq. Miles): 2.50940704
MCD Type Code: C

24K Rivers and Shorelines

Water Body Name: Ahnapee River
Register of Waterbodies Name: Ahnapee River
River System WBIC: 94800
Flow and Duration: PrimaryFlowInWaterPerennial
Line Type: Stream/River Centerline
Stream Order: 4
Source Data Year: 2000
Hydro Geodatabase ID: 200116278
Surface Water Line No.: 61200629

24K Open Water

Feature Name: Ahnapee River
ROW Name: Ahnapee River
Water Body ID Code (WBIC): 94800
Feature Description: Stream/River, Perennial
Feature Type: Stream/River
ROW River System Name: Ahnapee River
Hydro Geodatabase ID: 600089709
Surface Hydro Area ID (SHAID): 17000310
Source Data Year: 1982

County Boundaries

Name: Kewaunee
County FIPS Code: 61
DNR County Code: 31
DNR Region: Northeast Region

Impaired Rivers and Streams

More Data (Impaired Waters)

Name: Ahnapee River
WBIC: 94800
WADRS ID: 18073
Segment: 1
Start Mileage: 0
End Mileage: 7.86
Segment Size: 7.86
Measurement Unit: MILES
Assessment Level Type: 2010 WisCALM Methodology
DNR Category: Category 5A
NPS Rank: Not Ranked
Exceptional or Outstanding Water: No/No
Use Designation: Fish and Aquatic Life, General, Recreation, Public Health and Welfare, Fish Consumption

FAL Current Use:	WWSF
FAL Attainable Use:	WWSF
Supporting FAL Attainable Use:	Not Supporting
Designated Use:	WWSF
Impaired Water Flag:	Y
TMDL ID:	3
Pollutants:	PCBs
Impaired Water Category:	Other
Impaired Water Status:	303d Listed
TMDL Priority:	Low
Water Quality Trend:	Water is impaired due to one or more pollutants and associated quality impacts.
DNR Threatened Flag:	N
Impairments:	Contaminated Fish Tissue
Sources:	NA
Data Quality Type:	B1, P1
Info Sources:	Stream Classification Report on File, State Admin. Code NR102
Current Uses:	Human Health Support
Public Health Current Use:	Specific Advice
Recreation Current Use:	Full Body Contact
Wetland Current Use:	General Use
Wildlife Current Use:	NA
Aquatic Invasive Species (AIS):	Zebra mussel (<i>Dreissena polymorpha</i>), Eurasian watermilfoil (<i>Myriophyllum spicatum</i>)
AIS Impact:	Not Assessed
Cumulative AIS Impact:	NA
Last Update:	07/21/2011 04:38:42 PM
Last Updated By:	helmul



Identify Results

Coordinate Position

Lat/Lon: 44° 32' 41" N, 87° 30' 3" W
Decimal Lon/Lat: -87.500780, 44.544678
UTM 16N: 460220, 4932494
WTM91 (x,y): 718531, 455410

24K Open Water

Feature Name: East Alaska Lake
ROW Name: East Alaska Lake
Water Body ID Code (WBIC): 94200
Feature Description: Lake/Pond, Perennial
Feature Type: Lake/Pond
Hydro Geodatabase ID: 600044611
Surface Hydro Area ID (SHAID): 17000421
Source Data Year: 1982

Wetland Points

Wetland ID: 31731693053
Point Description: Wetland too small to delineate
Digitization Date: 09/05/2010
Airphoto Date: 2009
Basemap Source: Rectified aerial photography

Civil Towns

MCD Fips Code: 62625
Name: Pierce
City Class Code: 0
Area (Sq. Miles): 18.70197812
MCD Type Code: T

County Boundaries

Name: Kewaunee
County FIPS Code: 61
DNR County Code: 31
DNR Region: Northeast Region

Impaired Lakes

Listing Details

Name: East Alaska Lake
WBIC: 94200
WADRS ID: 18067
Segment: 1
Water Size: 53
Measurement Unit: ACRES
Assessment Level Type: 2012 WisCALM Methodology
DNR Category: Category 5B
NPS Rank: Not Ranked
Exceptional or Outstanding Water: No/No
Use Designation: Fish and Aquatic Life, General, Recreation, Public Health and Welfare, Fish Consumption
FAL Current Use: Deep Seepage
FAL Attainable Use: FAL
Supporting FAL Attainable Use: Fully Supporting
Designated Use: Default FAL
Impaired Water Flag: Y
TMDL ID: 123
Pollutants: Mercury

Impaired Water Category:	Atm. Dep.
Impaired Water Status:	303d Listed
TMDL Priority:	Medium
Water Quality Trend:	Water is impaired due to one or more pollutants and associated quality impacts.
DNR Threatened Flag:	N
Impairments:	Contaminated Fish Tissue
Sources:	Atmospheric Deposition - Toxics
Data Quality Type:	B1, P1
Info Sources:	NA
Current Uses:	Human Health Support
Public Health Current Use:	Specific Advice
Recreation Current Use:	Full Body Contact
Wetland Current Use:	General Use
Wildlife Current Use:	NA
Aquatic Invasive Species (AIS):	Eurasian watermilfoil (<i>Myriophyllum spicatum</i>)
AIS Impact:	Not Assessed
Cumulative AIS Impact:	NA
Last Update:	07/21/2011 04:38:40 PM
Last Updated By:	rehwam



Identify Results

Coordinate Position

Lat/Lon: 44° 28' 51" N, 87° 30' 38" W
Decimal Lon/Lat: -87.510615, 44.480863
UTM 16N: 459394, 4925410
WTM91 (x,y): 717966, 448297

24K Rivers and Shorelines

Water Body Name: Kewaunee River
Register of Waterbodies Name: Kewaunee River
River System WBIC: 90700
Flow and Duration: PrimaryFlowInWaterPerennial
Line Type: Stream/River Centerline
Stream Order: 5
Source Data Year: 2000
Hydro Geodatabase ID: 200107196
Surface Water Line No.: 61202993

24K Open Water

Feature Name: Kewaunee River
ROW Name: Kewaunee River
Water Body ID Code (WBIC): 90700
Feature Description: Stream/River, Perennial
Feature Type: Stream/River
ROW River System Name: Kewaunee River
Hydro Geodatabase ID: 600090335
Surface Hydro Area ID (SHAID): 17000604
Source Data Year: 1978

Civil Towns

MCD Fips Code: 62625
Name: Pierce
City Class Code: 0
Area (Sq. Miles): 18.70197812
MCD Type Code: T

County Boundaries

Name: Kewaunee
County FIPS Code: 61
DNR County Code: 31
DNR Region: Northeast Region

Impaired Rivers and Streams

[More Data \(Impaired Waters\)](#)

Name: Kewaunee River And Marsh
WBIC: 90700
WADRS ID: 10169
Segment: 1
Start Mileage: 0.37
End Mileage: 2.63
Segment Size: 2.26
Measurement Unit: MILES
Assessment Level Type: 2012 WisCALM Methodology
DNR Category: Category 5A
NPS Rank: Not Ranked
Exceptional or Outstanding Water: No/No
Use Designation: Fish and Aquatic Life, General, Recreation, Public Health and Welfare, Fish Consumption

FAL Current Use:	WWSF
FAL Attainable Use:	WWFF
Supporting FAL Attainable Use:	Supporting
Designated Use:	Default FAL
Impaired Water Flag:	Y
TMDL ID:	218
Pollutants:	PCBs, Unspecified Metals
Impaired Water Category:	Contam. Sed., Other
Impaired Water Status:	303d Listed
TMDL Priority:	Low
Water Quality Trend:	Water is impaired due to one or more pollutants and associated quality impacts.
DNR Threatened Flag:	N
Impairments:	Contaminated Fish Tissue, Chronic Aquatic Toxicity
Sources:	Contaminated Sediments, Source Unknown
Data Quality Type:	B1, P1
Info Sources:	State Admin. Code NR102, SWIMS Data and Professional Judgement
Current Uses:	Human Health Support
Public Health Current Use:	Specific Advice
Recreation Current Use:	Full Body Contact
Wetland Current Use:	General Use
Wildlife Current Use:	NA
Aquatic Invasive Species (AIS):	Zebra mussel (<i>Dreissena polymorpha</i>)
AIS Impact:	Not Assessed
Cumulative AIS Impact:	NA
Last Update:	07/21/2011 04:40:48 PM
Last Updated By:	helmul



Identify Results

Coordinate Position

Lat/Lon: 44° 36' 39" N, 87° 25' 44" W
Decimal Lon/Lat: -87.429027, 44.610871
UTM 16N: 465958, 4939814
WTM91 (x,y): 723999, 462940

24K Open Water

Feature Name: Lake Michigan
ROW Name: Lake Michigan
Water Body ID Code (WBIC): 20
Feature Description: Lake/Pond, Perennial
Feature Type: Lake/Pond
Hydro Geodatabase ID: 600000002
Surface Hydro Area ID (SHAID): 14000566
Source Data Year: 2000

Impaired Rivers and Streams

[More Data \(Impaired Waters\)](#)

Name: Lake Michigan
WBIC: 20
WADRS ID: 892521
Segment: 12
Segment Size: 103.38
Measurement Unit: MILES
Assessment Level Type: 2000 or Earlier Methodology
DNR Category: Category 5A
NPS Rank: Not Ranked
Exceptional or Outstanding Water: No/No
Use Designation: Fish and Aquatic Life, General, Recreation, Public Health and Welfare, Fish Consumption
FAL Current Use: WWSF
FAL Attainable Use: WWSF
Supporting FAL Attainable Use: Not Supporting
Designated Use: Default FAL
Impaired Water Flag: Y
TMDL ID: 230
Pollutants: PCBs, Mercury
Impaired Water Category: Atm. Dep., Contam. Sed.
Impaired Water Status: 303d Listed
TMDL Priority: Low
Water Quality Trend: Water is impaired due to one or more pollutants and associated quality impacts.
DNR Threatened Flag: N
Impairments: Contaminated Fish Tissue
Sources: Contaminated Sediments
Data Quality Type: B1
Info Sources: State Admin. Code NR102, Fish Management Files - General
Current Uses: Human Health Support
Public Health Current Use: Specific Advice
Recreation Current Use: Full Body Contact
Wetland Current Use: General Use
Wildlife Current Use: NA
Aquatic Invasive Species (AIS): NA
AIS Impact: NA

Cumulative AIS Impact:
Last Update:
Last Updated By:

NA
07/21/2011 04:41:12 PM
rehwam

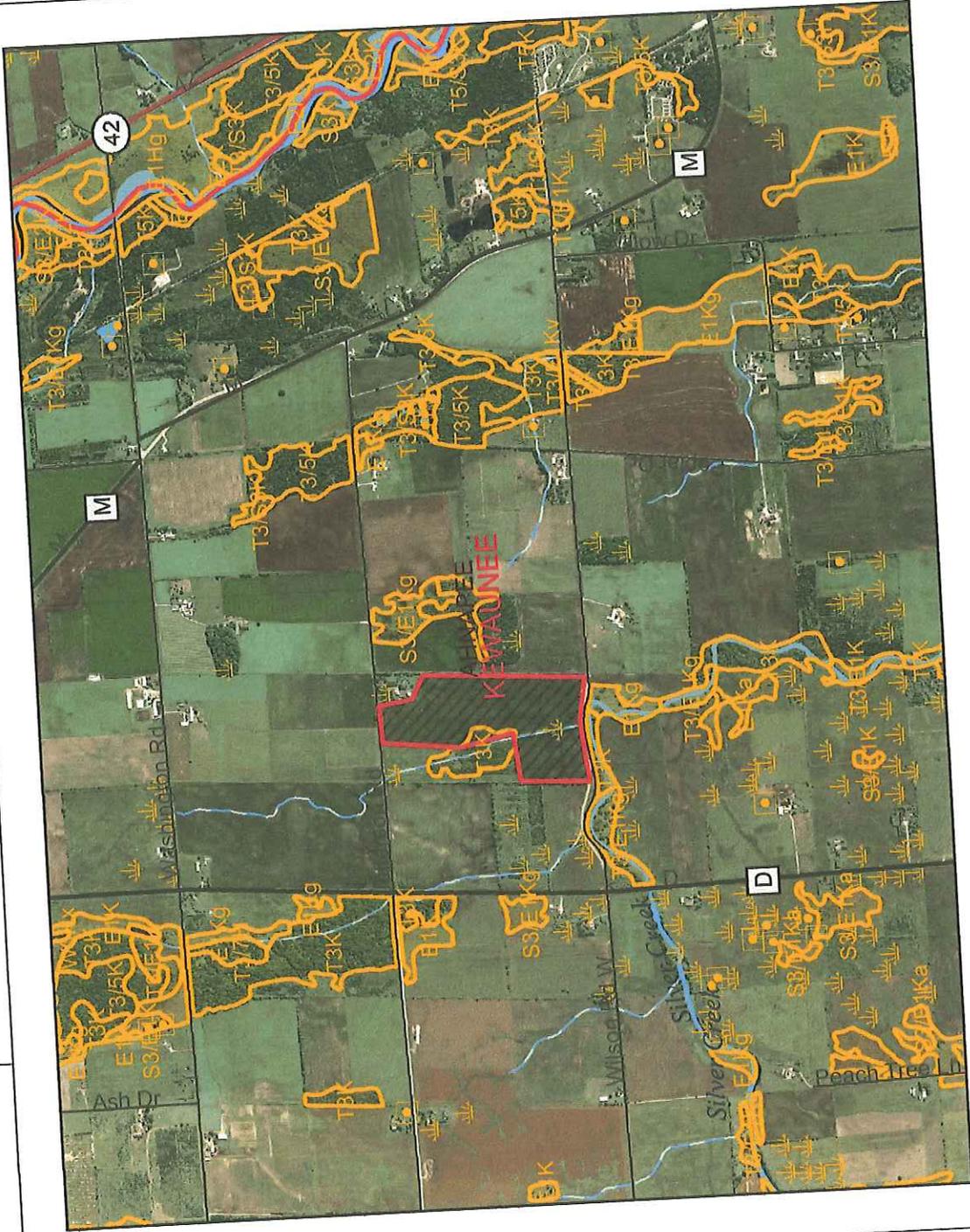
Ebert Enterprises, LLC - Surface Waters Map



Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
- Civil Town
- DNR Wetland Points
- Excavated Pond
- Wetland Too Small to Delineate
- Filled Excavated Pond
- Filled Dammed Pond
- Filled Wetland Too Small to Delineate
- Filled or Drained Wetland
- DNR Wetland Areas
- Upland
- Wetland
- Filled or Drained Wetland
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial
- Cities and Villages
- Village
- City

Scale: 1:24,000



6750 ft.

4500

2250

0

This map is a user generated static output from an internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Ebert Enterprises, LLC - Surface Waters Map

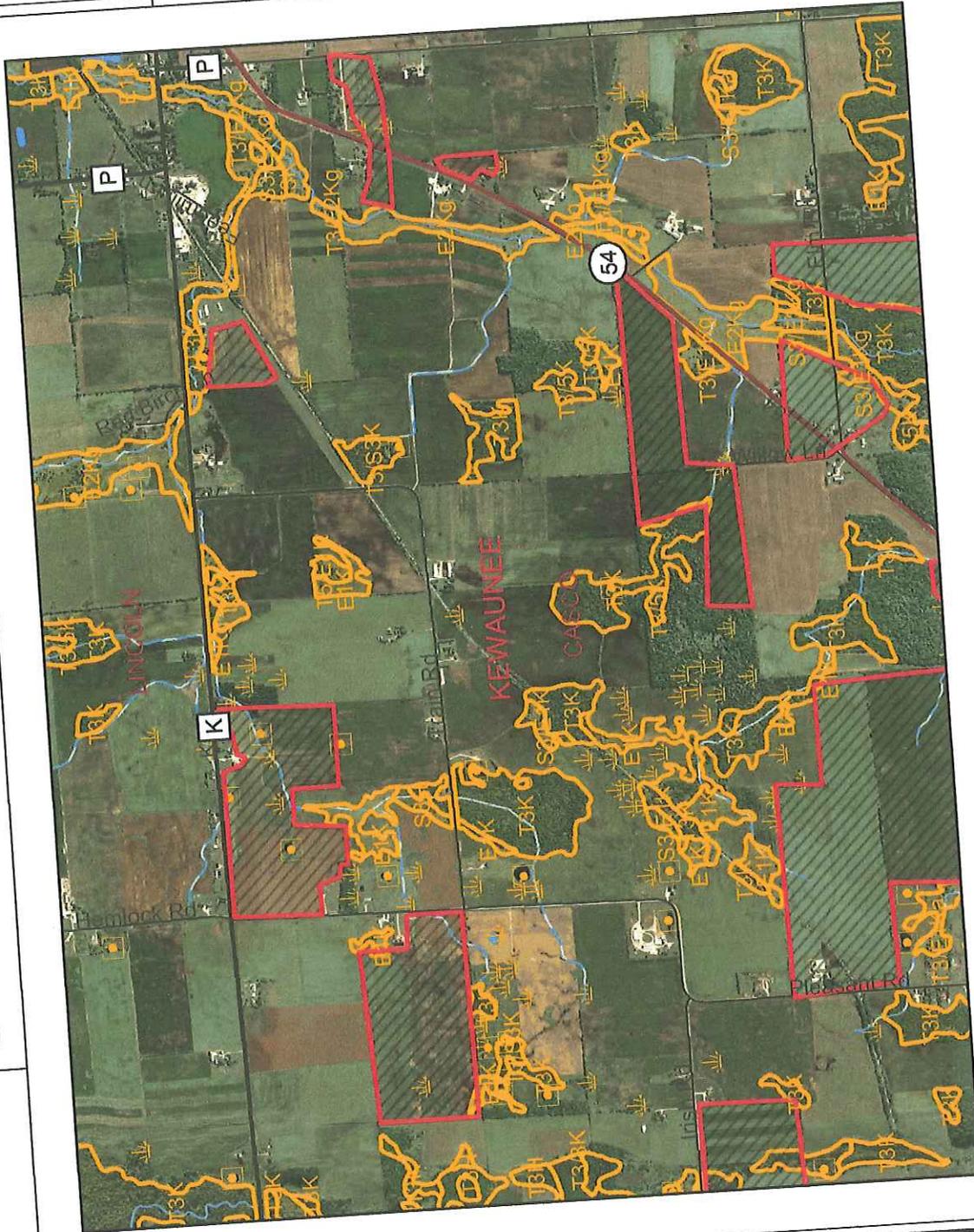


Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
- Civil Town
- DNR Wetland Points
- Excavated Pond
- Dammed Pond
- Wetland Too Small to Delineate
- Filled Excavated Pond
- Filled Dammed Pond
- Filled Wetland Too Small to Delineate
- Filled or Drained Wetland
- DNR Wetland Areas
- Upland
- Wetland
- Filled or Drained Wetland
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial
- Cities and Villages
- Village
- City



Scale: 1:24,000



0 2250 4500 6750 ft.

0

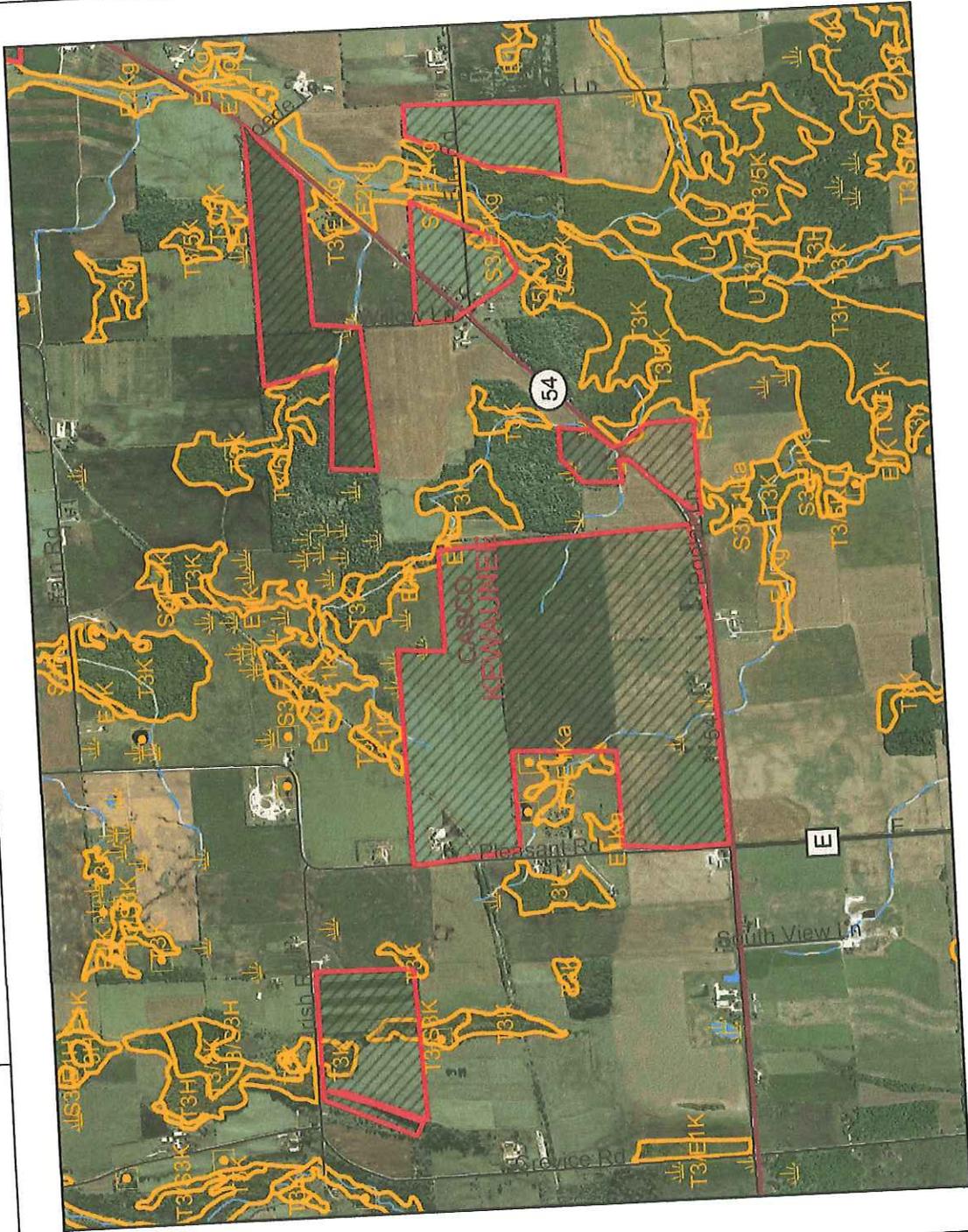
2250

4500

6750 ft.

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Ebert Enterprises, LLC - Surface Waters Map



Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
- Civil Town
- DNR Wetland Points
- Excavated Pond
- Dammed Pond
- Wetland Too Small to Delineate
- Filled Excavated Pond
- Filled Dammed Pond
- Filled Wetland Too Small to Delineate
- Filled or Drained Wetland
- DNR Wetland Areas
- Upland
- Wetland
- Filled or Drained Wetland
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial
- Cities and Villages
- Village
- City

Scale: 1:24,000



This map is a user generated static output from an internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

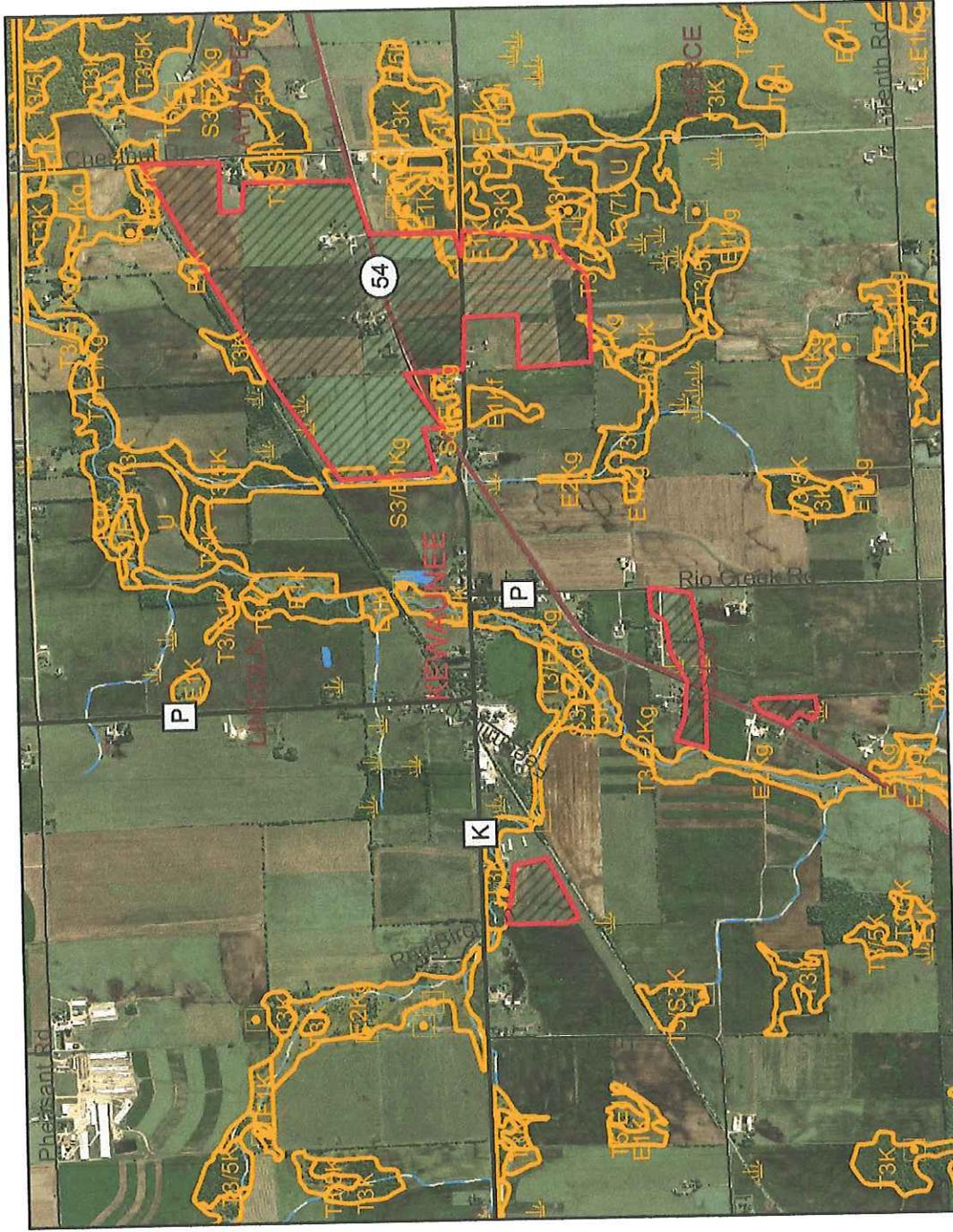
Ebert Enterprises, LLC - Surface Waters Map



Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
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- Upland
- Wetland
- Filled or Drained Wetland
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- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial
- Villages
- City

Scale: 1:24,000



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Ebert Enterprises, LLC - Surface Waters Map

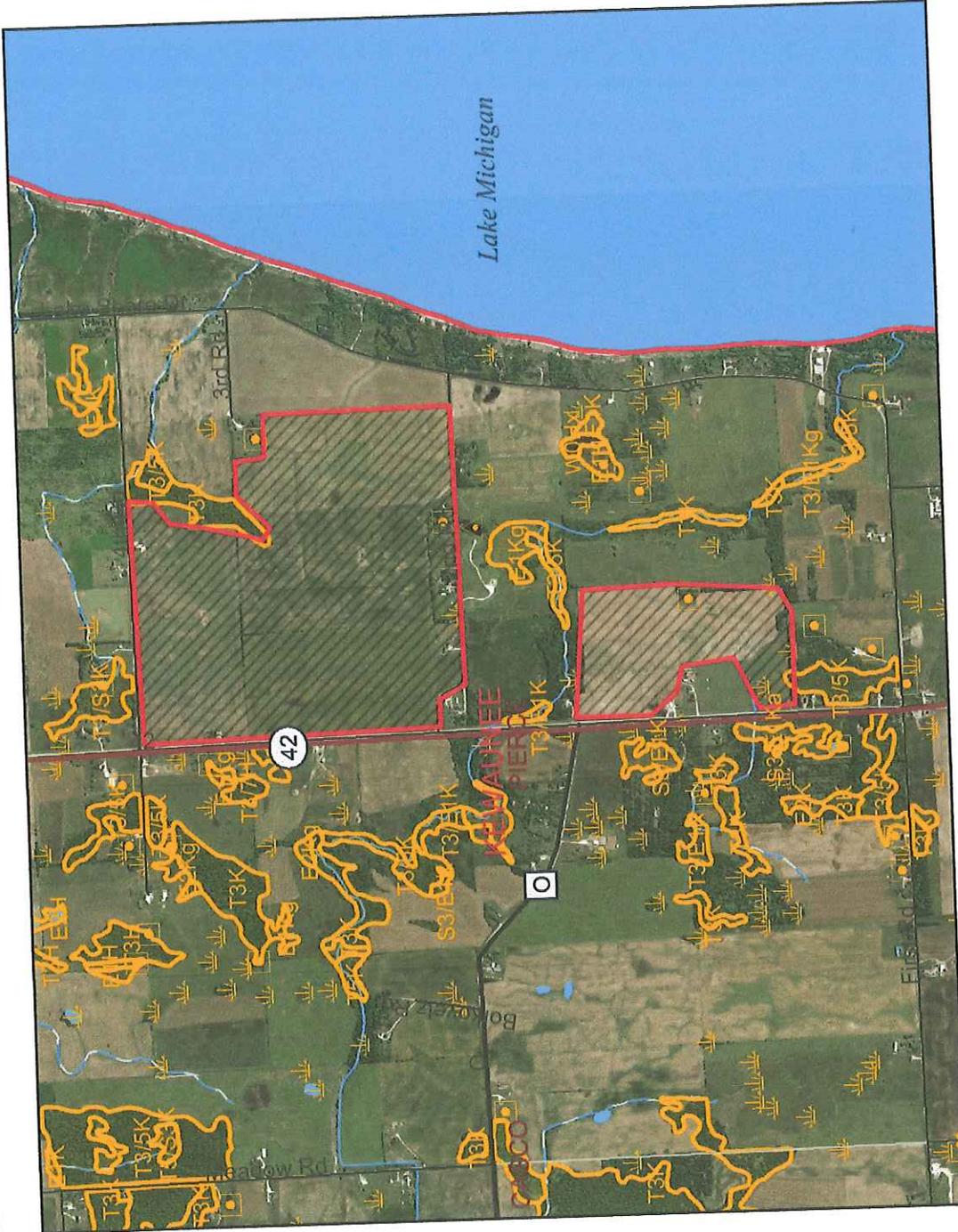


Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
- Civil Town
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- Filled or Drained Wetland
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial
- Cities and Villages
- Village
- City

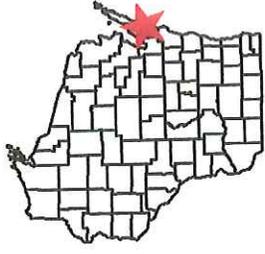


Scale: 1:23,999



This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

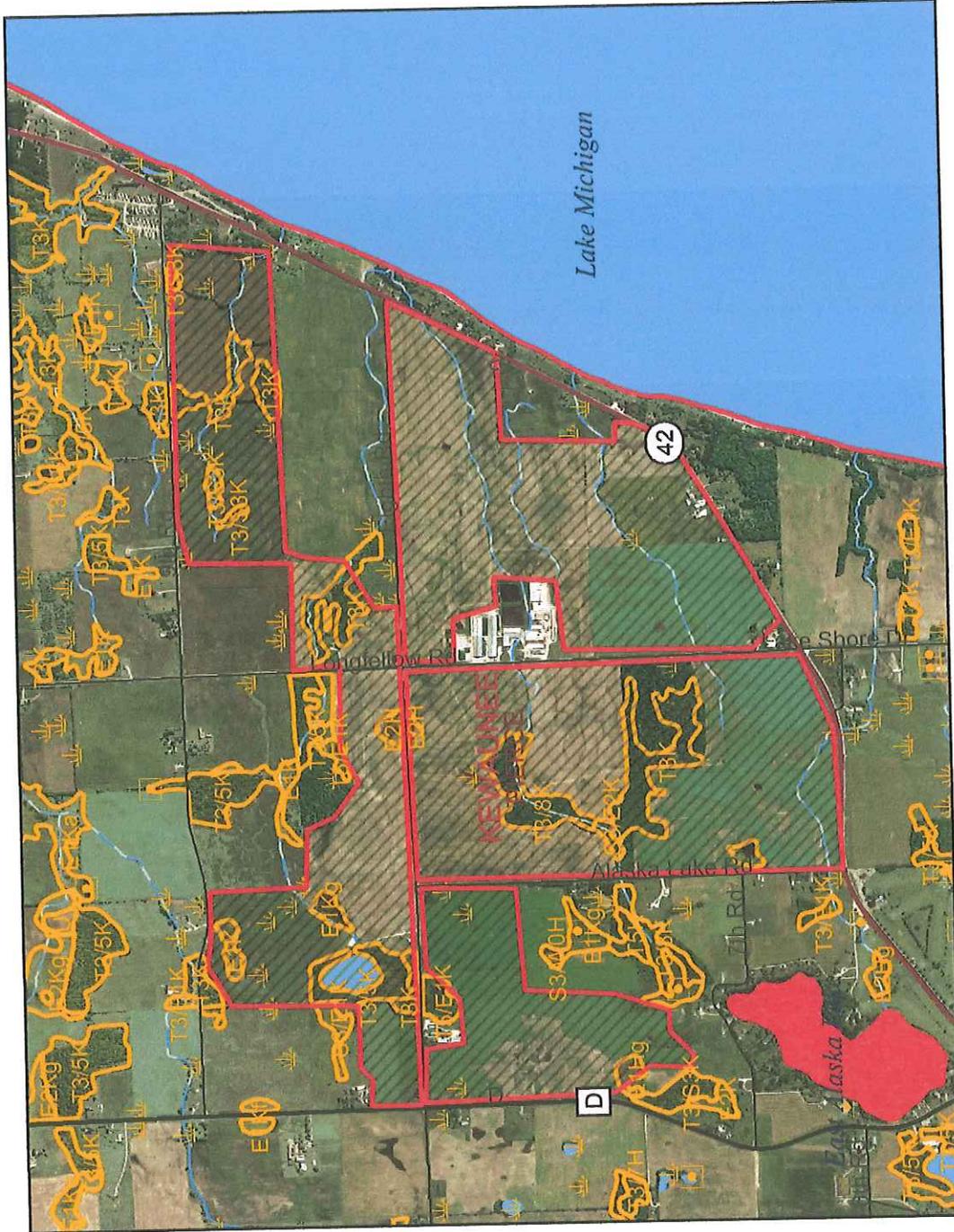
Ebert Enterprises, LLC - Surface Waters Map



Legend

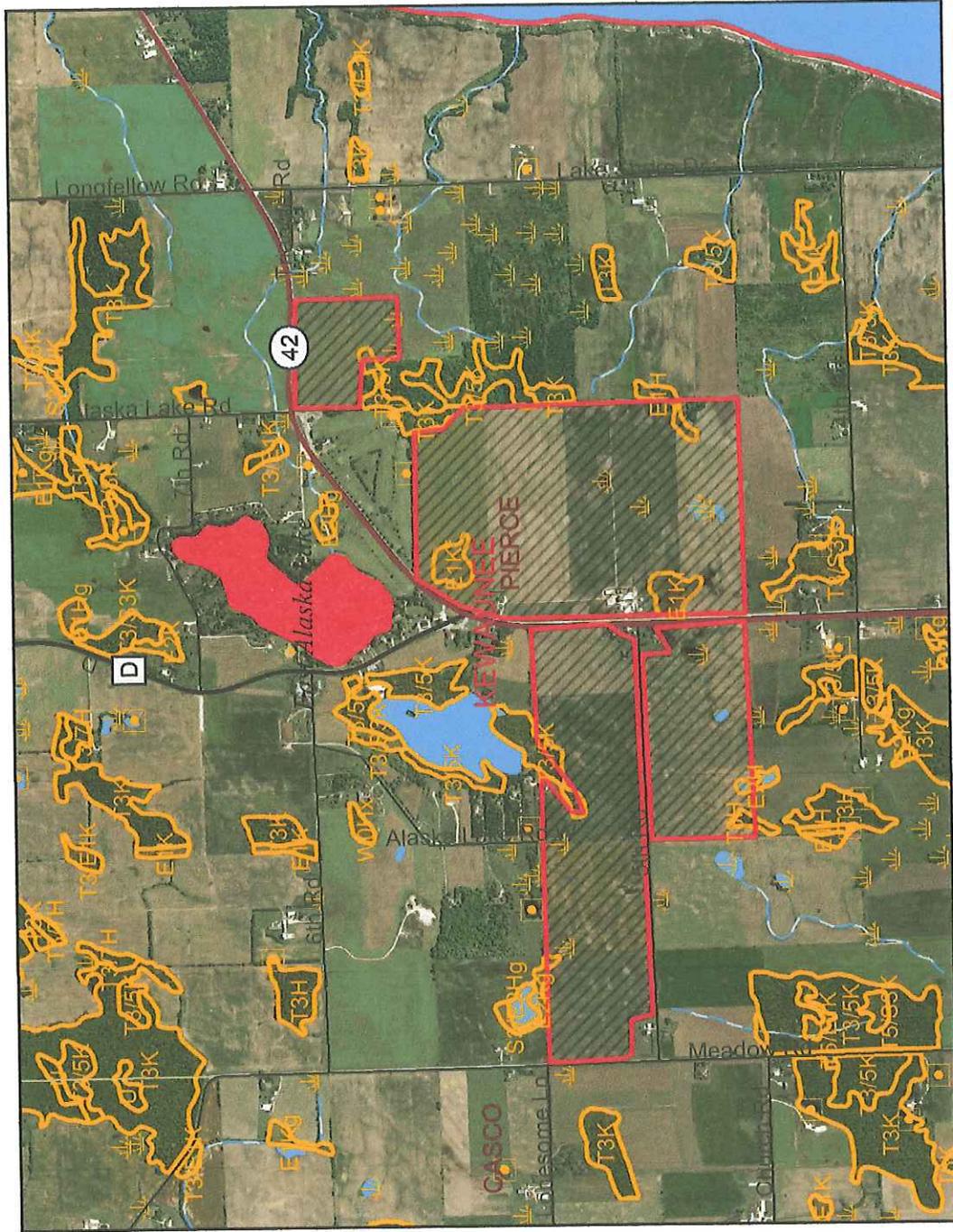
- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
 - Interstate
 - State Highway
 - U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
 - Civil Town
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 - Excavated Pond
 - Dammed Pond
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 - Filled Dammed Pond
 - Filled Wetland Too Small to Delineate
 - Filled or Drained Wetland
- DNR Wetland Areas
 - Upland
 - Wetland
 - Filled or Drained Wetland
 - 24K Open Water
- 24K Rivers and Shorelines
 - Intermittent
 - Fluctuating
 - Perennial
- Cities and Villages
 - Village
 - City

Scale: 1:24,000



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Ebert Enterprises, LLC Surface Water Map



Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
 - Interstate
 - State Highway
 - U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
- Civil Town
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 - Excavated Pond
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 - Filled Excavated Pond
 - Filled Dammed Pond
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 - Filled or Drained Wetland
- DNR Wetland Areas
 - Upland
 - Wetland
 - Filled or Drained Wetland
 - 24K Open Water
- 24K Rivers and Shorelines
 - Intermittent
 - Fluctuating
 - Perennial
- Cities and Villages
 - Village
 - City

Scale: 1:24,000

0 2250 4500 6750 ft.

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Ebert- Ahnapee North Wetlands and 303D Waters

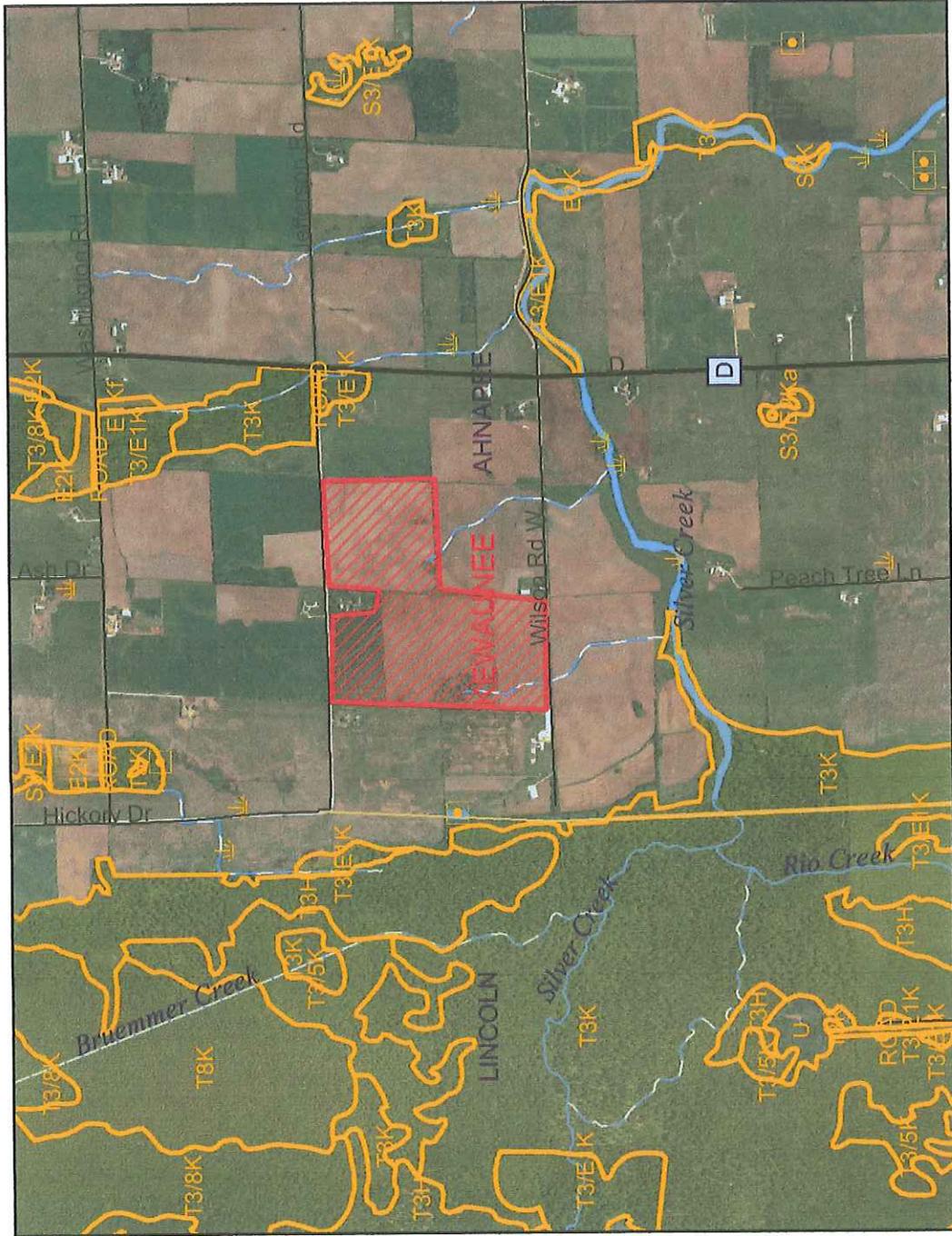


Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
- Civil Town
- DNR Wetland Points
- Excavated Pond
- Dammed Pond
- Wetland Too Small to Delineate
- Filled Excavated Pond
- Filled Dammed Pond
- Filled Wetland Too Small to Delineate
- DNR Wetland Areas
- Upland
- Filled or drained wetland
- Wetland
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial
- Cities and Villages
- Village
- City



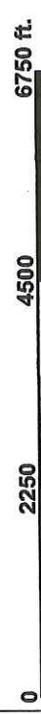
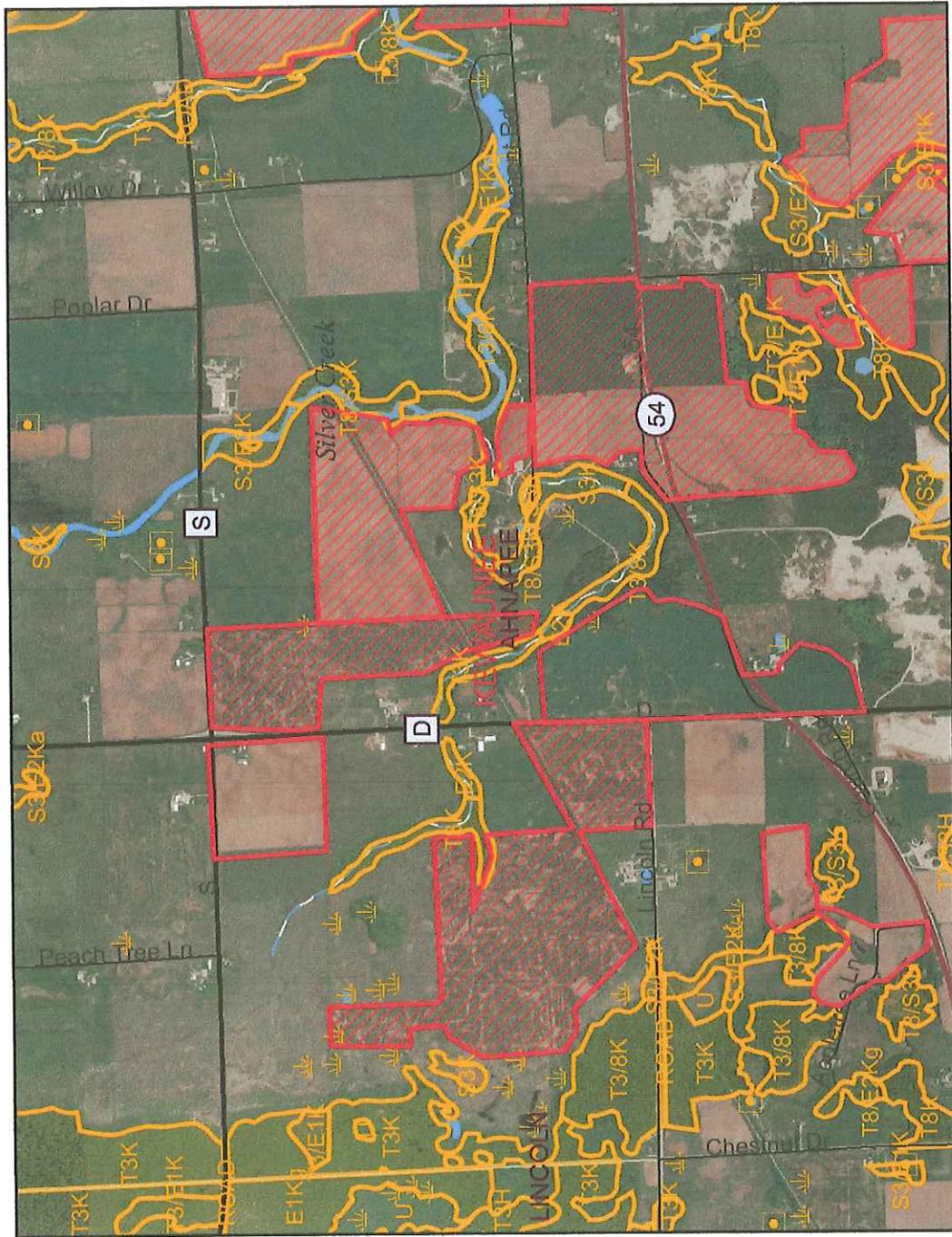
Scale: 1:24,000



0 2250 4500 6750 ft.

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Ebert Ahnapee West Wetlands and 303D Waters



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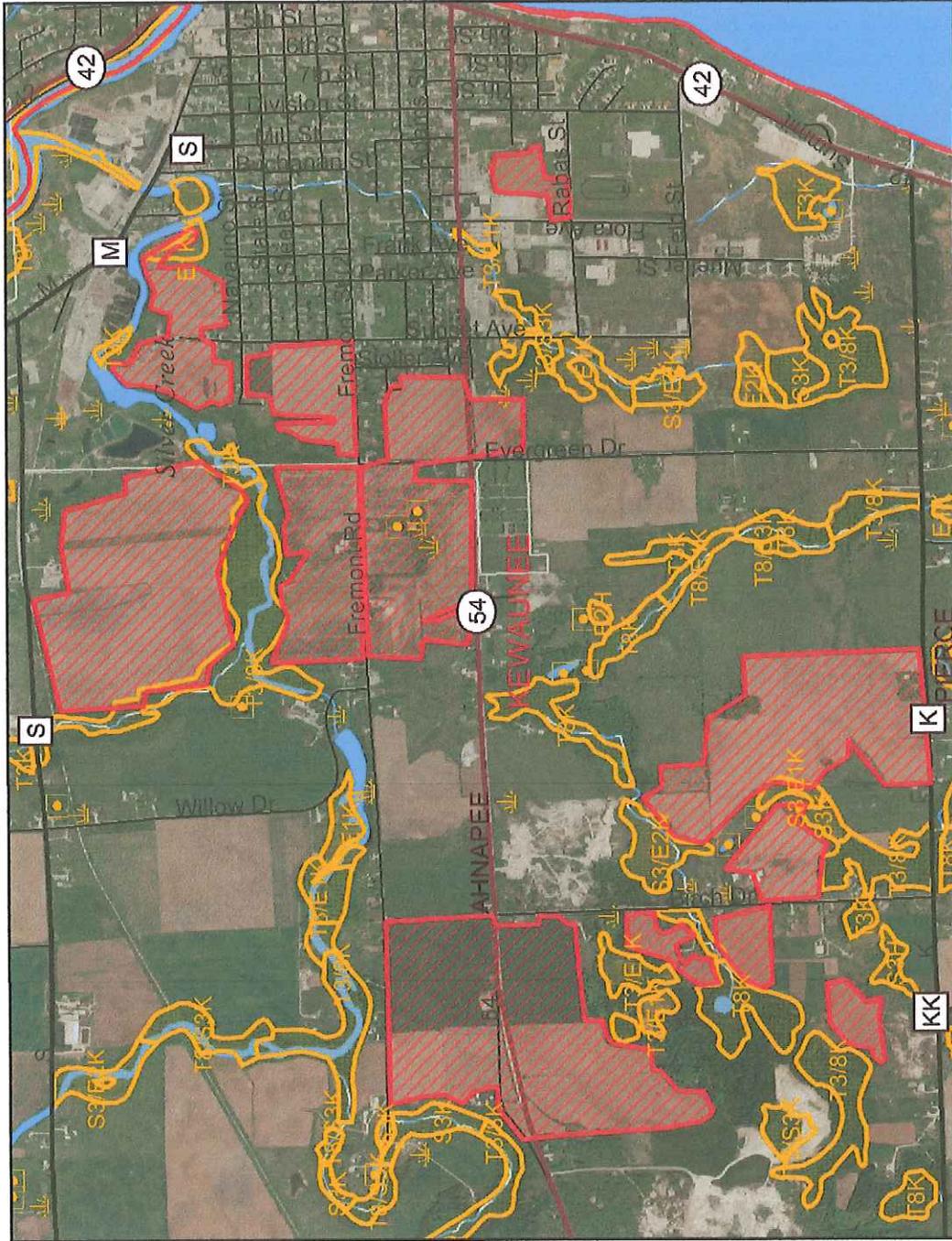
Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
- Civil Town
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- Dammed Pond
- Wetland Too Small to Delineate
- Filled Excavated Pond
- Filled Dammed Pond
- Filled Wetland Too Small to Delineate
- DNR Wetland Areas
- Upland
- Filled or drained wetland
- Wetland
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial



Scale: 1:24,000

Ebert Ahnapee Wetlands and 303d Waters



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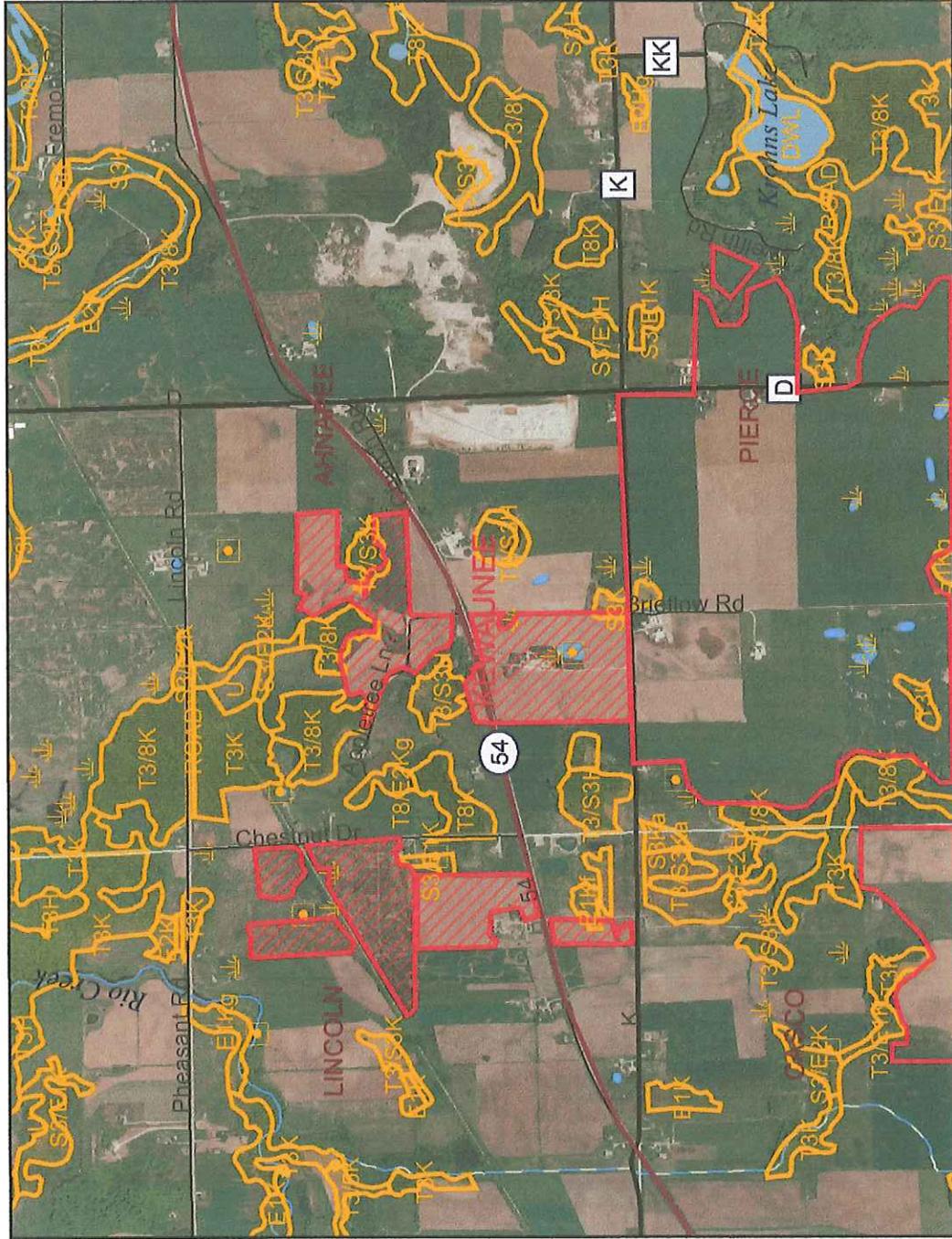
Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
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- Filled Dammed Pond
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- Wetland
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial



Scale: 1:24,000

Ebert Ahnapee/Lincoln Wetlands and 303D Waters



Legend

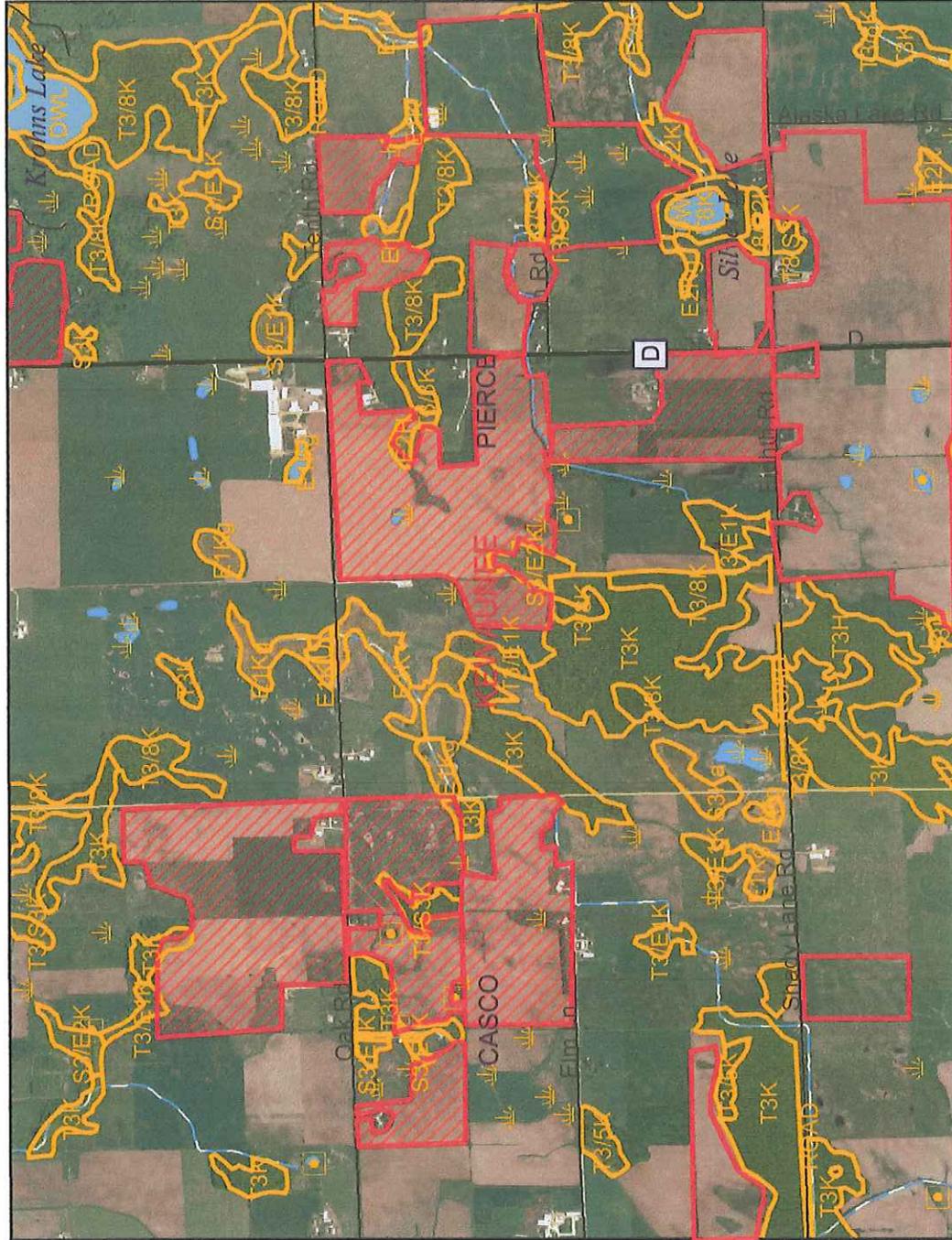
- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
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- DNR Wetland Areas
- Upland
- Filled or drained wetland
- Wetland
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial

Scale: 1:24,000

0 2250 4500 6750 ft.

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Ebert Casco Wetlands and 303D Waters



0 2250 4500 6750 ft.

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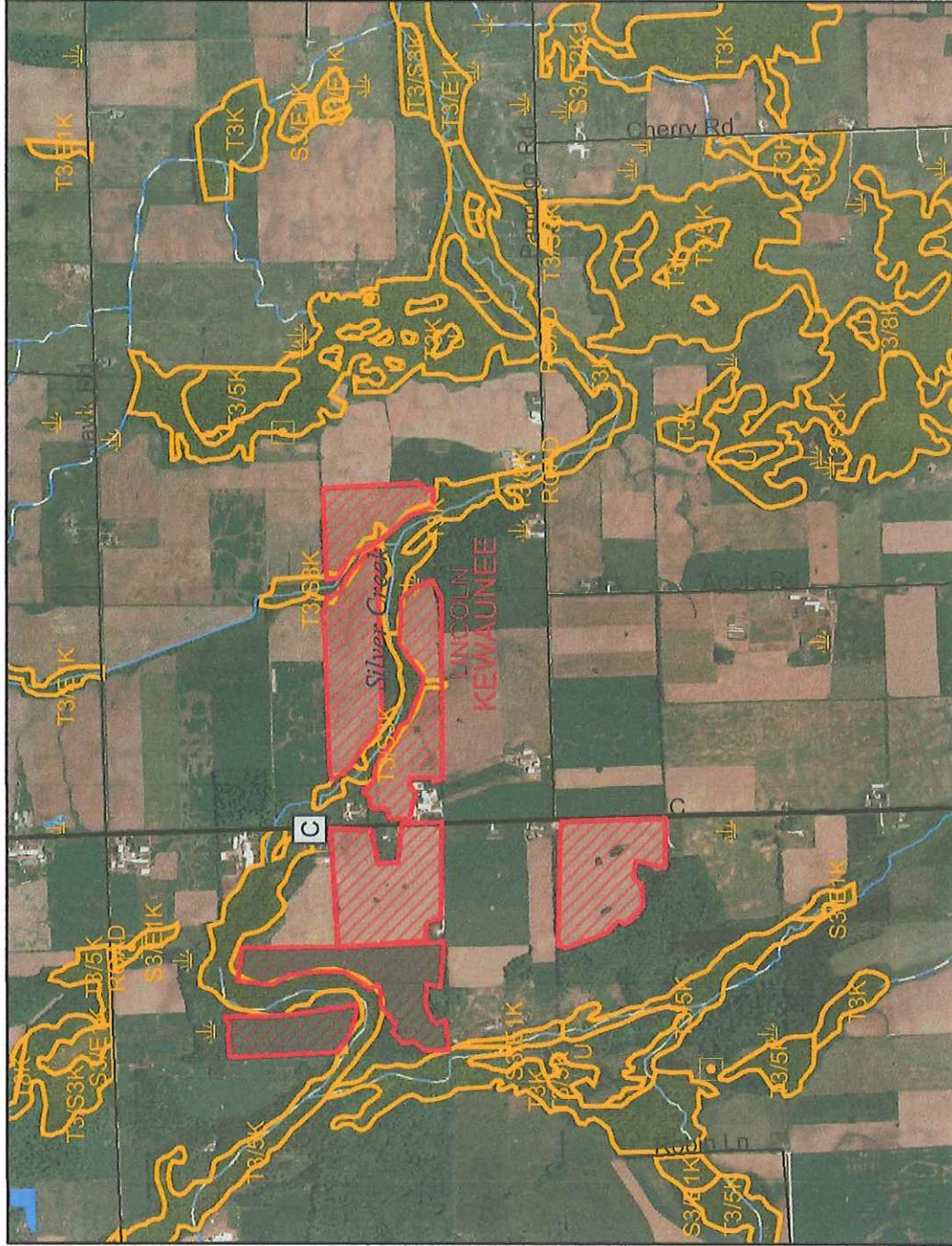
Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
- Civil Town
- DNR Wetland Points
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- Filled Excavated Pond
- Filled Dammed Pond
- Filled Wetland Too Small to Delineate
- DNR Wetland Areas
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- Filled or drained wetland
- Wetland
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial



Scale: 1:24,000

Ebert Lincoln Wetlands and 303D Waters



0 2250 4500 6750 ft.

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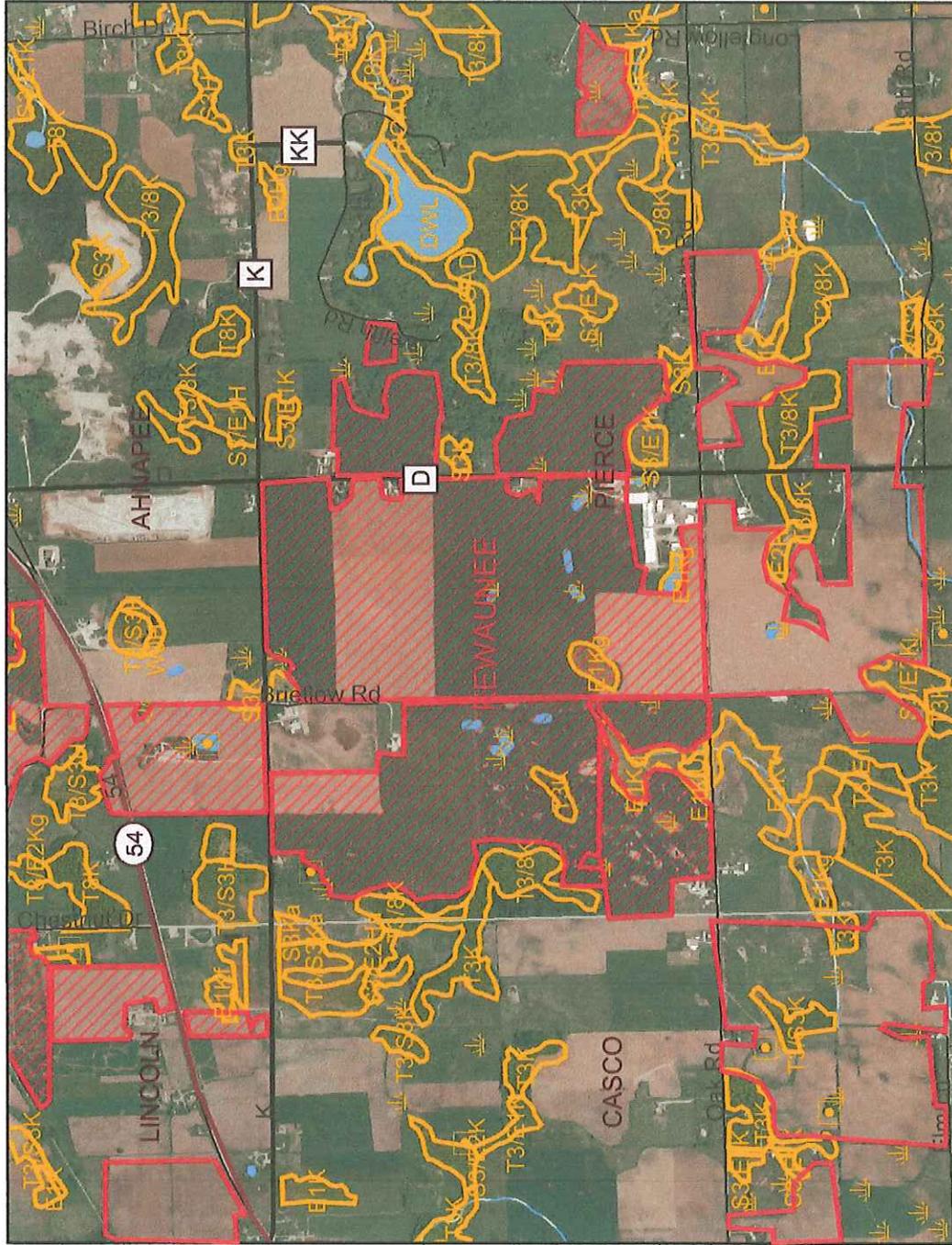
Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
- Civil Town
- DNR Wetland Points
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- Dammed Pond
- Wetland Too Small to Delineate
- Filled Excavated Pond
- Filled Dammed Pond
- Filled Wetland Too Small to Delineate
- DNR Wetland Areas
- Upland
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- Wetland
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial



Scale: 1:24,000

Ebert Pierce Wetlands and 303D Waters



0 2250 4500 6750 ft.

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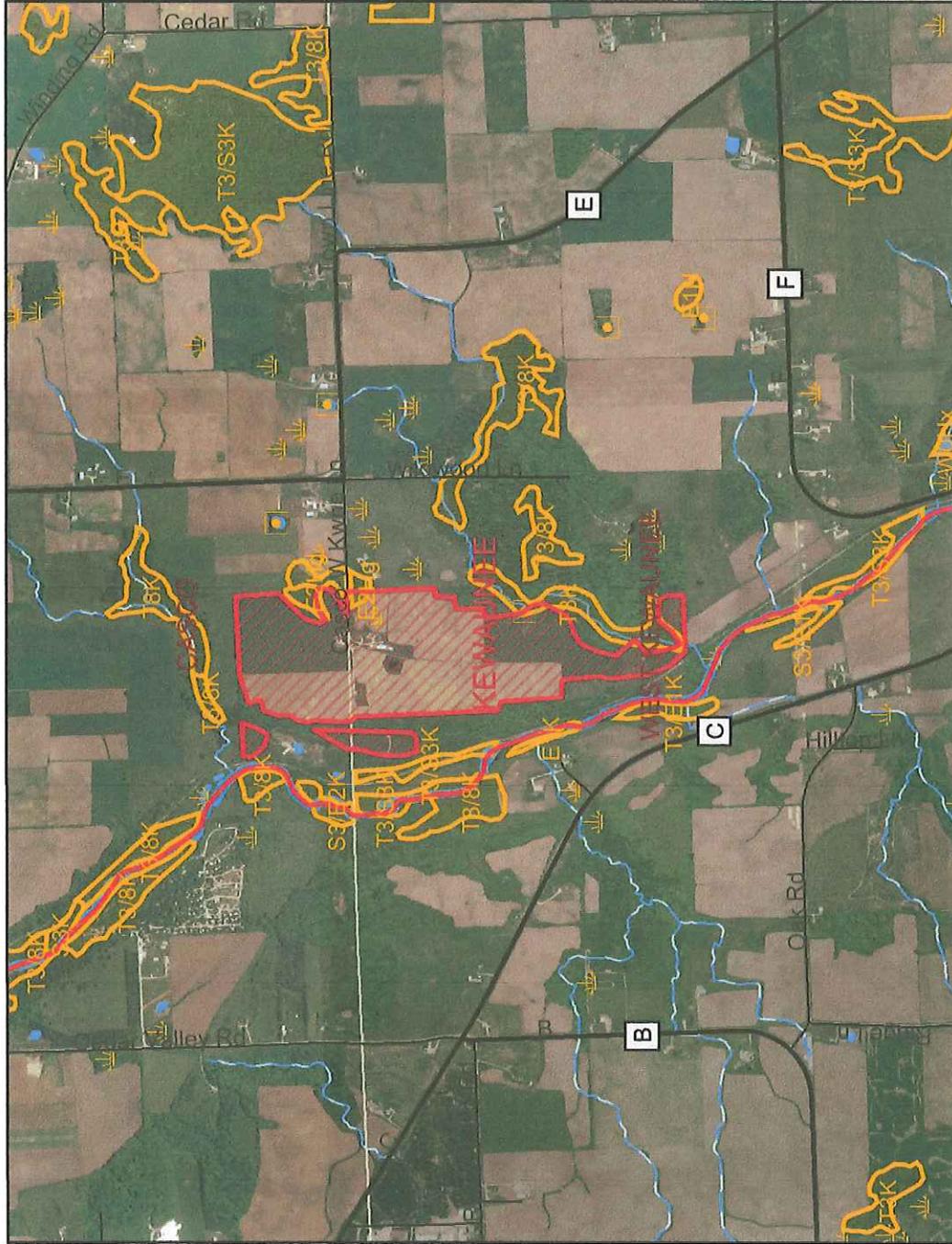
Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
 - Interstate
 - State Highway
 - U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
- Civil Town
- DNR Wetland Points
- Excavated Pond
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- Filled Excavated Pond
- Filled Dammed Pond
- Filled Wetland Too Small to Delineate
- DNR Wetland Areas
- Upland
- Filled or drained wetland
- Wetland
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial



Scale: 1:24,000

Ebert West Kewaunee/Casco Wetlands and 303D



0 2250 4500 6750 ft.

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Legend

Outstanding and Exceptional Streams

- Exceptional
- Outstanding
- Local QA In Progress
- Local Data Source Conflict
- Outstanding and Exceptional Lakes

- Exceptional
- Outstanding
- Local QA In Progress
- Local Data Source Conflict
- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways

- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries

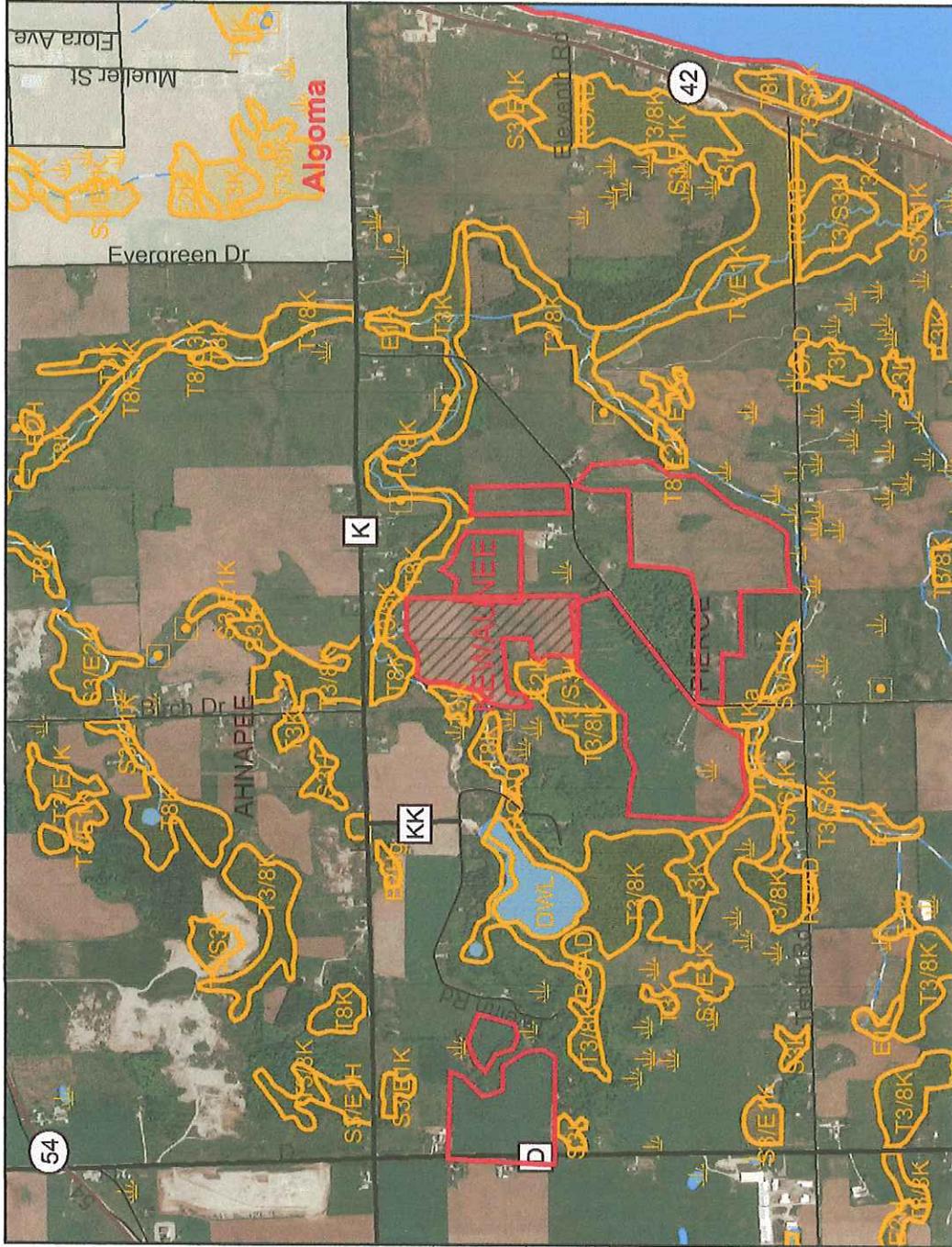
- Civil Towns
- Civil Town
- DNR Wetland Points

- Excavated Pond
- Dammed Pond
- Wetland Too Small to Delineate
- Filled Excavated Pond
- Filled Dammed Pond
- Wetland Too Small to Delineate
- DNR Wetland Areas



Scale: 1:24,000

Ebert - J. Barta Stoller Home Farm Sensitive Waters Map



Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
- Civil Town
- DNR Wetland Points
- Excavated Pond
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- Filled Dammed Pond
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- Wetland
- 24K Open Water
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- Intermittent
- Fluctuating
- Perennial
- Cities and Villages
- Village
- City

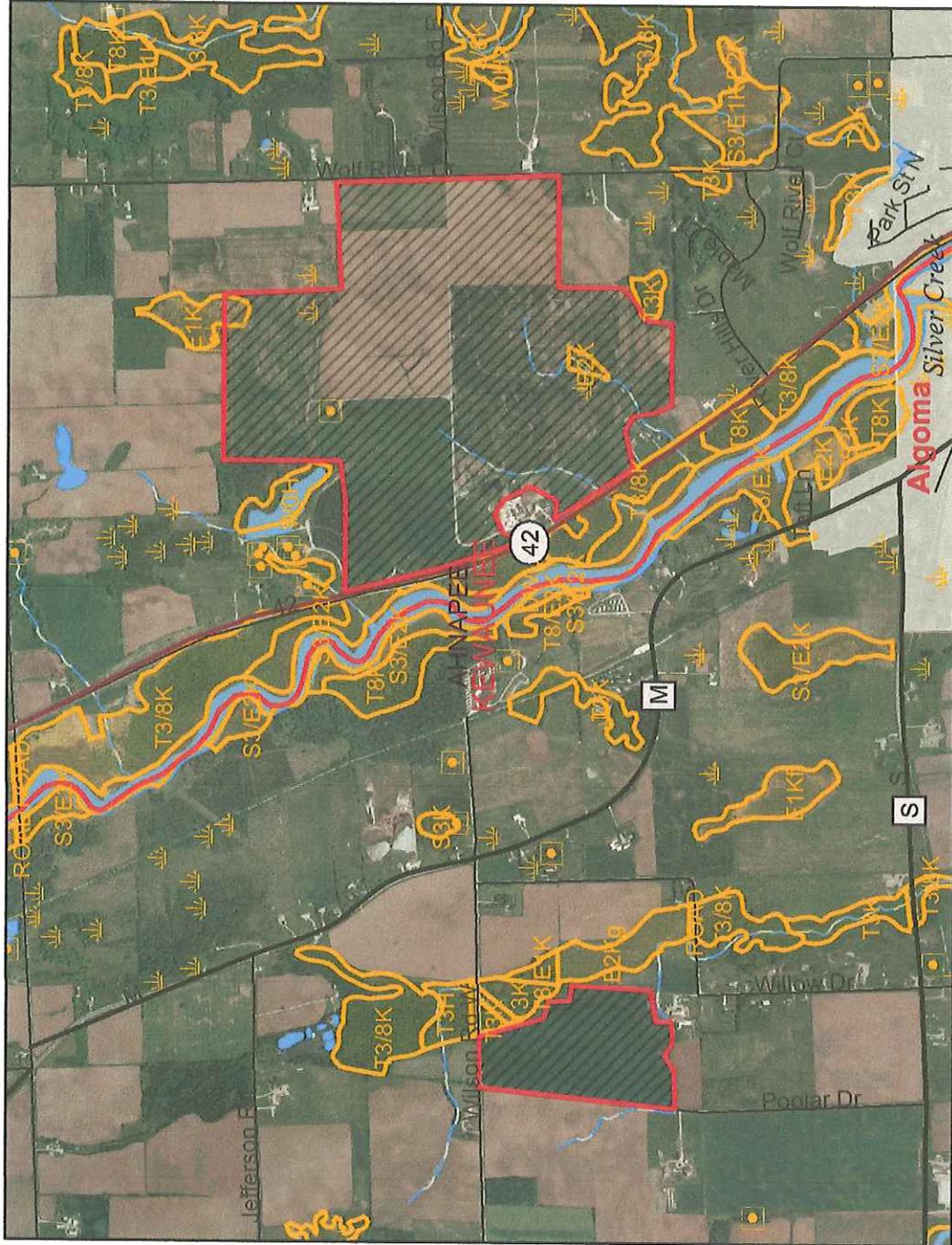


Scale: 1:24,000

0 2250 4500 6750 ft.

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Ebert - Jerry Barta Stoller Land Sensitive Waters Map



Legend

- Impaired Waters Lines
- Impaired Waters Areas
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Town
- Civil Town
- DNR Wetland Points
- Excavated Pond
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- Fluctuating
- Perennial
- Cities and Villages
- Village
- City

Scale: 1:24,000

0 2250 4500 6750 ft.

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