

RESOLUTION NO. 2022-29

**VILLAGE OF YORKVILLE
RACINE COUNTY, WISCONSIN**

A RESOLUTION APPROVING A FINAL CERTIFIED SURVEY MAP TO ALLOW FOR THE DIVISION OF THE PARCEL LOCATED AT 17803 2 MILE ROAD INTO A 5.47-ACRE PARCEL AND A 4.20-ACRE PARCEL, SEC. 04, T3N, R21E, VILLAGE OF YORKVILLE, RACINE COUNTY, WISCONSIN (PARCEL ID # 194-03-21-04-034-000); NICHOLAS AND SHANNON HILBERT, OWNER; NICHOLAS AND SHANNON HILBERT, APPLICANT/AGENT

THE VILLAGE BOARD OF THE VILLAGE OF YORKVILLE, RACINE COUNTY, WISCONSIN, RESOLVES AS FOLLOWS:

WHEREAS, Applicant/Agent submitted a final certified survey map request to allow for the division of the parcel located at 17803 2 Mile Road into a 5.47-acre parcel and a 4.20-acre parcel, in Sec. 04, T3N, R21E, Village of Yorkville, Racine County, Wisconsin (Parcel ID # 194-03-21-04-034-000); and

WHEREAS, the Village of Yorkville Plan Commission recommended approval of this request, subject to the conditions attached hereto as Exhibit A and the waivers attached hereto as Exhibit B; and

NOW, THEREFORE, BE IT RESOLVED, by the Village Board of the Village of Yorkville, that the requested final certified survey map set forth above is hereby approved subject to the same conditions and waivers imposed by the Village of Yorkville Plan Commission.

This Resolution was adopted by the Yorkville Village Board on August 8, 2022.

VILLAGE OF YORKVILLE

Ayes: 5

By: /s/ Douglas Nelson
Douglas Nelson, President

Nays: 0

Attest: /s/ Michael McKinney
Michael McKinney, Administrator/Clerk

Abstentions: 0

Absences: 0

EXHIBIT A - CONDITIONS

Nicholas and Shannon Hilbert, Owner

Nicholas and Shannon Hilbert, Applicant/Agent

1. **Reimburse Village Costs.** Applicant shall reimburse the Village for all costs incurred by the Village for review of this request, including but not limited to engineering, legal and planning review.

EXHIBIT B - WAIVERS

Nicholas and Shannon Hilbert, Owner
Nicholas and Shannon Hilbert, Applicant/Agent

1. **No waivers required.**

#

CERTIFIED SURVEY MAP NO. _____.

BEING PART OF THE NORTHWEST 1/4 OF THE
NORTHWEST 1/4 OF SECTION 4, TOWNSHIP 3 NORTH,
RANGE 21 EAST OF THE FOURTH PRINCIPAL
MERIDIAN IN THE VILLAGE OF YORKVILLE,
COUNTY OF RACINE AND STATE OF WISCONSIN.

OWNER/SUBDIVIDER: NICHOLAS A. & SHANNON A. HILBERT
17803 2 MILE ROAD
FRANKSVILLE, WI 53126

SURVEY BY: B.W. SURVEYING INC.
412 N. PINE ST.
BURLINGTON, WI 53105
JOB NO. 10636-CSM

LEGAL DESCRIPTION:

BEING PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 4, TOWNSHIP 3 NORTH, RANGE 21 EAST OF THE FOURTH PRINCIPAL MERIDIAN IN THE VILLAGE OF YORKVILLE, COUNTY OF RACINE, STATE OF WISCONSIN AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHWEST CORNER OF SAID SECTION 4, THENCE NORTH 88°49'01" EAST (RECORDED AS SOUTH 89°27'15" EAST) ALONG THE NORTH LINE OF SAID NORTHWEST 1/4 SECTION 397.00 FEET TO THE PLACE OF BEGINNING OF THIS DESCRIPTION; THENCE CONTINUE NORTH 88°49'01" EAST (RECORDED AS SOUTH 89°27'15" EAST) ALONG SAID NORTH LINE 923.00 FEET; THENCE SOUTH 01°43'44" EAST (RECORDED AS SOUTH) 489.06 FEET; THENCE SOUTH 88°49'01" WEST (RECORDED AS NORTH 89°27'15" WEST) 923.00 FEET; THENCE NORTH 01°43'44" WEST (RECORDED AS NORTH) 489.06 FEET TO THE PLACE OF BEGINNING. CONTAINING 10.36 ACRES OF LAND MORE OR LESS. SUBJECT TO RIGHTS OF THE PUBLIC OVER THE NORTH 33 FEET THEREOF FOR ROAD PURPOSES (2 MILE ROAD).

SURVEYOR'S CERTIFICATE:

I, ROBERT J. WETZEL, PROFESSIONAL LAND SURVEYOR, DO HEREBY CERTIFY THAT AT THE DIRECTION OF NICHOLAS A. AND SHANNON A. HILBERT, THAT I HAVE SURVEYED THE LAND DESCRIBED HEREON AND THAT THE MAP SHOWN IS A CORRECT REPRESENTATION OF ALL LOT LINES AND THAT I HAVE FULLY COMPLIED WITH THE PROVISIONS OF CHAPTER 236.24 OF THE WISCONSIN STATUTES AND THE SUBDIVISION REGULATIONS OF THE VILLAGE OF YORKVILLE, AND RACINE COUNTY, WISCONSIN.

DATED THIS 20TH DAY OF APRIL, 2022.
REVISED THIS 1ST DAY OF AUGUST 2022

ROBERT J. WETZEL S-1778

CERTIFIED SURVEY MAP NO. _____

BEING PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 4, TOWNSHIP 3 NORTH, RANGE 21 EAST OF THE FOURTH PRINCIPAL MERIDIAN IN THE VILLAGE OF YORKVILLE, COUNTY OF RACINE, AND STATE OF WISCONSIN.

OWNER/SUBDIVIDER: NICHOLAS A. HILBERT & SHANNON A. HILBERT
17803 2 MILE ROAD
FRANKSVILLE, WI 53126

PREPARED BY: B.W. SURVEYING, INC.
412 N. PINE STREET
BURLINGTON, WI 53105
(262)-767-0225
JOB NO. 10636 C.S.M.

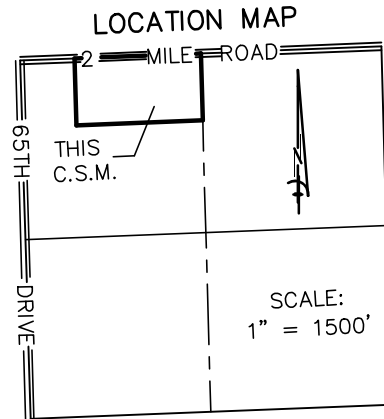
"THE OWNER SHALL RECONSTRUCT, RELOCATE OR REPLACE ANY TILE LINE WHICH MAY BE DISTURBED BY THE DEVELOPMENT OF A LOT CREATED BY A MINOR SUBDIVISION SO AS TO PROVIDE FOR THE CONTINUED OPERATION OF SUCH TILE LINE AS BEFORE DEVELOPMENT OF SUCH LOT. THE LOT OWNER SHALL BE RESPONSIBLE FOR THE FUTURE MAINTENANCE, OPERATION, AND REPLACEMENT OF ALL PRIVATE STORM/SURFACE WATER FACILITIES, INCLUDING DRAIN TILES WHETHER PREVIOUSLY MAPPED OR SUBSEQUENTLY DISCOVERED."

LEGEND

- ⊕ FOUND RACINE COUNTY MONUMENT (CAST IRON/ CAP)
- SET 1-1/4" O.D. X 18" IRON PIPE WEIGHING NOT LESS THAN 1.68 LBS. PER LINEAL FOOT
- FOUND IRON PIPE
- △ SOIL BORING

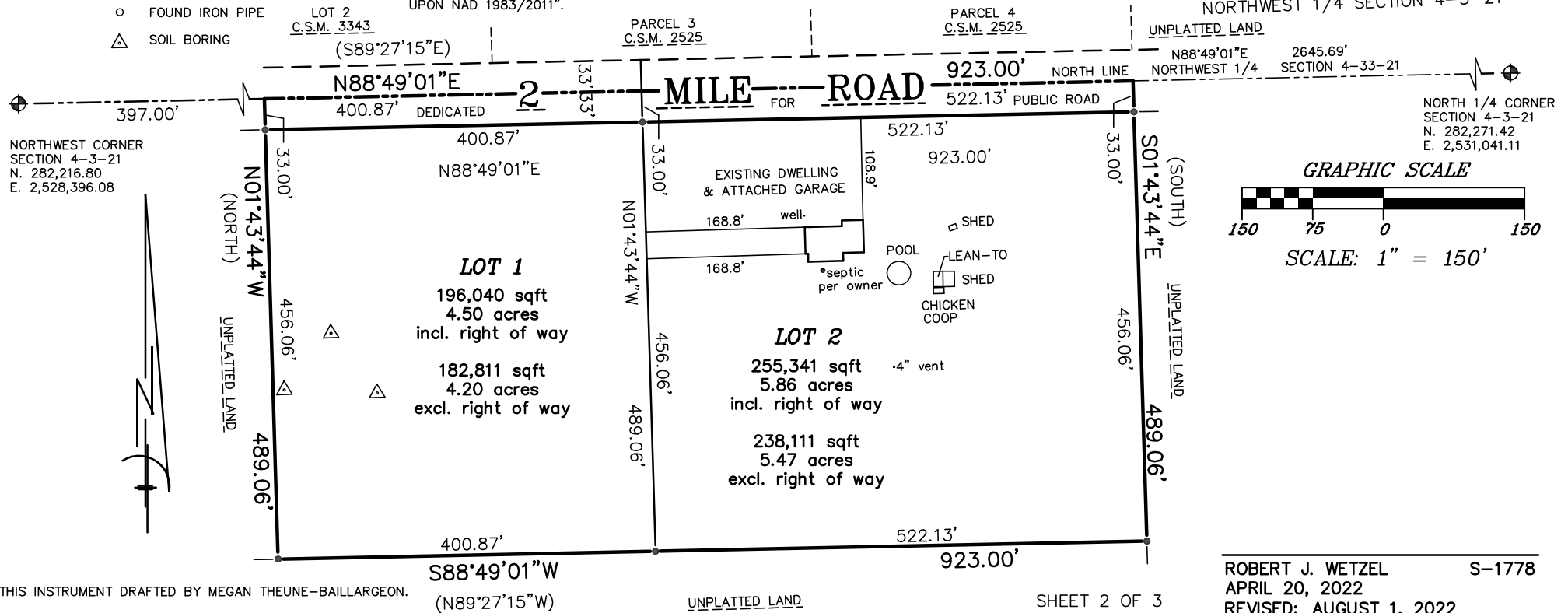
BEARINGS HEREON RELATE TO THE NORTH LINE OF THE NORTHWEST 1/4 OF SECTION 4-3-21; ASSUMED BEARING NORTH 88°49'01" EAST.

"GRID NORTH, WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, BASED UPON NAD 1983/2011".



NORTHWEST 1/4 SECTION 4-3-21

SCALE:
1" = 1500'



CERTIFIED SURVEY MAP NO. _____

BEING PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 4, TOWNSHIP 3 NORTH, RANGE 21 EAST OF THE FOURTH PRINCIPAL MERIDIAN IN THE VILLAGE OF YORKVILLE, COUNTY OF RACINE AND STATE OF WISCONSIN.

OWNERS CERTIFICATE:

WE, NICHOLAS A. AND SHANNON A. HILBERT, AS OWNERS, HEREBY CERTIFY THAT WE CAUSED THE LAND DESCRIBED ON THIS PLAT TO BE SURVEYED, DIVIDED, AND MAPPED AS REPRESENTED HEREON. DATED THIS _____ DAY OF _____, 202 .

NICHOLAS A. HILBERT

SHANNON A. HILBERT

**STATE OF WISCONSIN)
RACINE COUNTY)SS**

PERSONALLY CAME BEFORE ME THIS _____ DAY OF _____, 202 , THE ABOVE NAMED NICHOLAS A. AND SHANNON A. HILBERT TO ME KNOWN TO BE THE PERSONS WHO EXECUTED THE FOREGOING INSTRUMENT AND ACKNOWLEDGE THE SAME.

NOTARY PUBLIC
MY COMMISSION EXPIRES:

VILLAGE OF YORKVILLE VILLAGE BOARD APPROVAL:

THIS CERTIFIED SURVEY MAP APPROVED BY THE VILLAGE OF YORKVILLE VILLAGE BOARD ON THIS _____ DAY OF _____, 202 .

DOUGLAS NELSON PRESIDENT

MICHAEL MCKINNEY CLERK

DATED THIS 20TH DAY OF APRIL, 2022.
REVISED THIS 1ST DAY OF AUGUST 2022

ROBERT J. WETZEL S-1778

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1027 W St Paul Ave
Milwaukee WI, WI, 53233

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



August 5, 2022

Shannon Hilbert
17803 2 Mile rd
Franksville, WI 53126

WIC-SE-2022-52-02564

RE: Wetland Identification Report for Project Review Area, located in NW 1/4, NW 1/4, Section 04, Township 03 North, Range 21 E, Town of YORKVILLE, Racine County

Dear Ms. Hilbert:

On July 28th, 2022, Kara Brooks conducted a wetland identification review at the above-mentioned property. According to the request form you sent us, the reason for the wetland identification was to identify any wetlands located in the project area in which you are hoping to make a wetland determination in order to plan for property division and/or sale.

Approximate wetland boundaries were identified following 1987 Wetland Delineation Manual and applicable regional supplement guidelines. Wetlands are defined by the 1987 Wetland Delineation Manual as areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. If any wetland areas were detected, their approximate boundaries were sketched onto an aerial photograph (see attached map).

Methods used to detect the presence of wetlands within the project area involved on-site and off-site techniques, including a field visit as well as a review of antecedent hydrologic conditions, recent aerial photography, Wisconsin Wetland Inventory (WWI) mapping, and NRCS Soil Survey mapping.

The following is a summary of the off-site review.

- Results of the antecedent hydrologic condition review indicate the site was likely experiencing normal conditions at the time of the field investigation.
 - The WWI has "maximum extent wetland indicators" and hydric soils mapped within the project review area.
- Enclosed within this report is a figure for reference.

Based on the data analyzed for the off-site review, as well as the field conditions observed during the 2022 field review, **No wetlands are located in the project review area.**

The boundaries depicted on the associated field sketch are approximate only and may not be suitable for design purposes, set-back, or permit requirements. If wetlands are located on your property, we recommend that a wetland delineation be conducted on your property by a qualified wetland delineator. Wetlands are regulated by various state, federal, and local units of government. Prior to conducting any activities in or around wetlands, we recommend you contact the appropriate staff from Wisconsin Department of Natural Resources, U.S. Army Corps of Engineers and local municipal agents.

If you have any questions, please call me at (414) 308-6780 or email kara.brooks@wisconsin.gov.

Sincerely,



Kara Brooks
Wetland Identification Specialist

Enclosed: Wetland ID Service Site Map
WWI and Hydric Soil Mapping
LiDar Mapping
Site Photographs
Representative Air Photos
USACE Wetland Determination Data Forms

Copy to: File

WDNR Wetland Identification Service



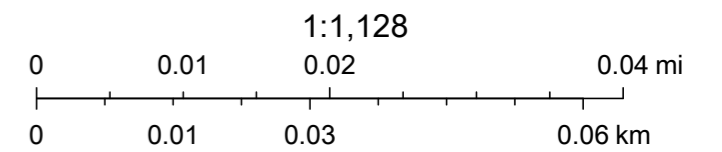
8/8/2022, 8:17:49 AM

Wetland_ID_Data - Polygon layer

 Review Area Boundary

Wetland_ID_Data - Point layer

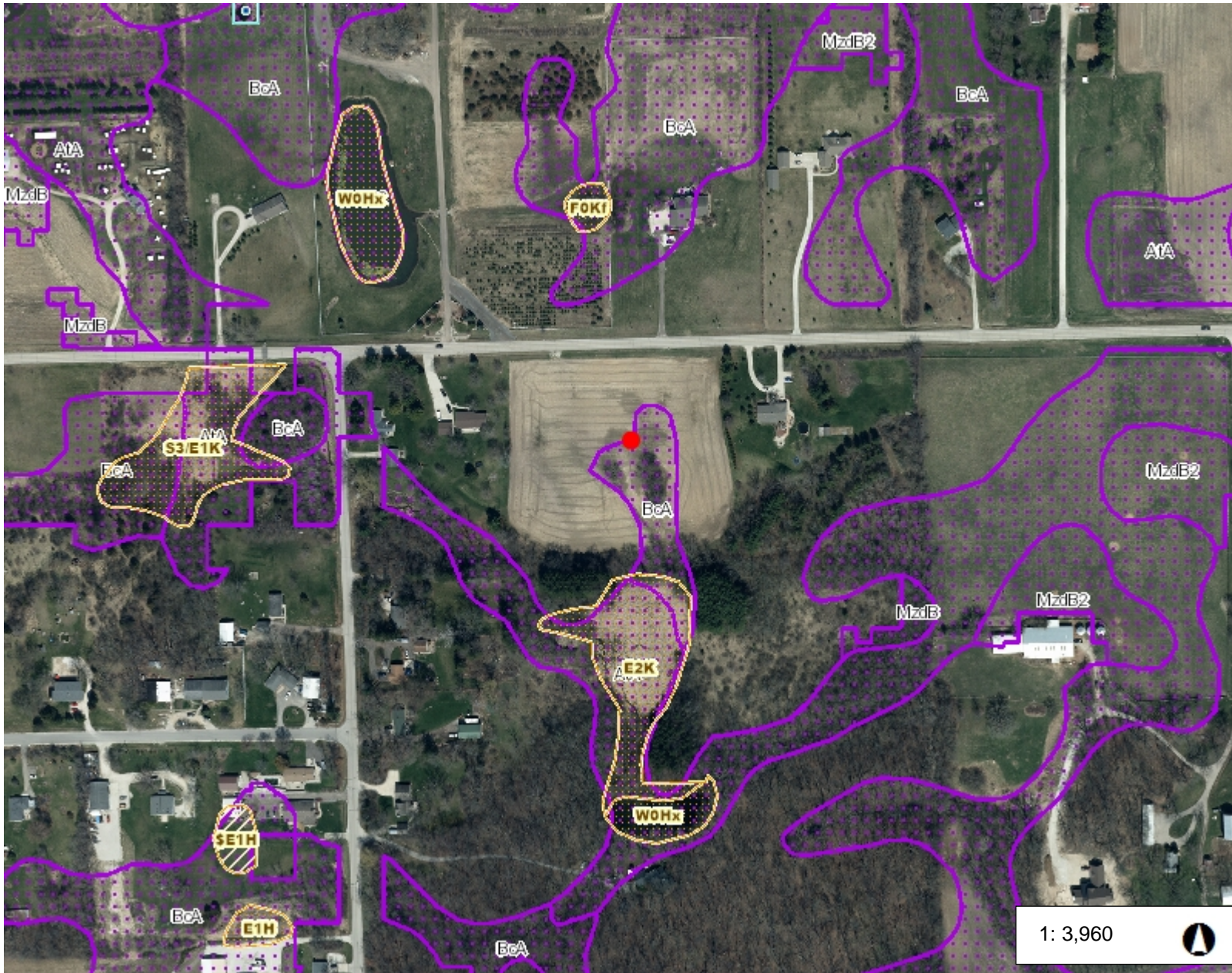
 Upland



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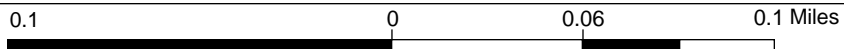
Wisconsin Wetland Inventory Viewer Map



Legend

- Wetland Class Areas
- Wetland Class Points
- Dammed pond
- Excavated pond
- Filled/draind wetland
- Wetland too small to delineate
- Filled excavated pond
- Filled Points
- Wetland Class Areas
- Wetland Class Points
- Dammed pond
- Excavated pond
- Filled/draind wetland
- Wetland too small to delineate
- Filled excavated pond
- Filled Points
- Wetland Class Areas
- Wetland Class Points
- Maximum Extent Wetland Indic
- Railroads
- Municipality
- State Boundaries
- County Boundaries
- Major Roads

Notes

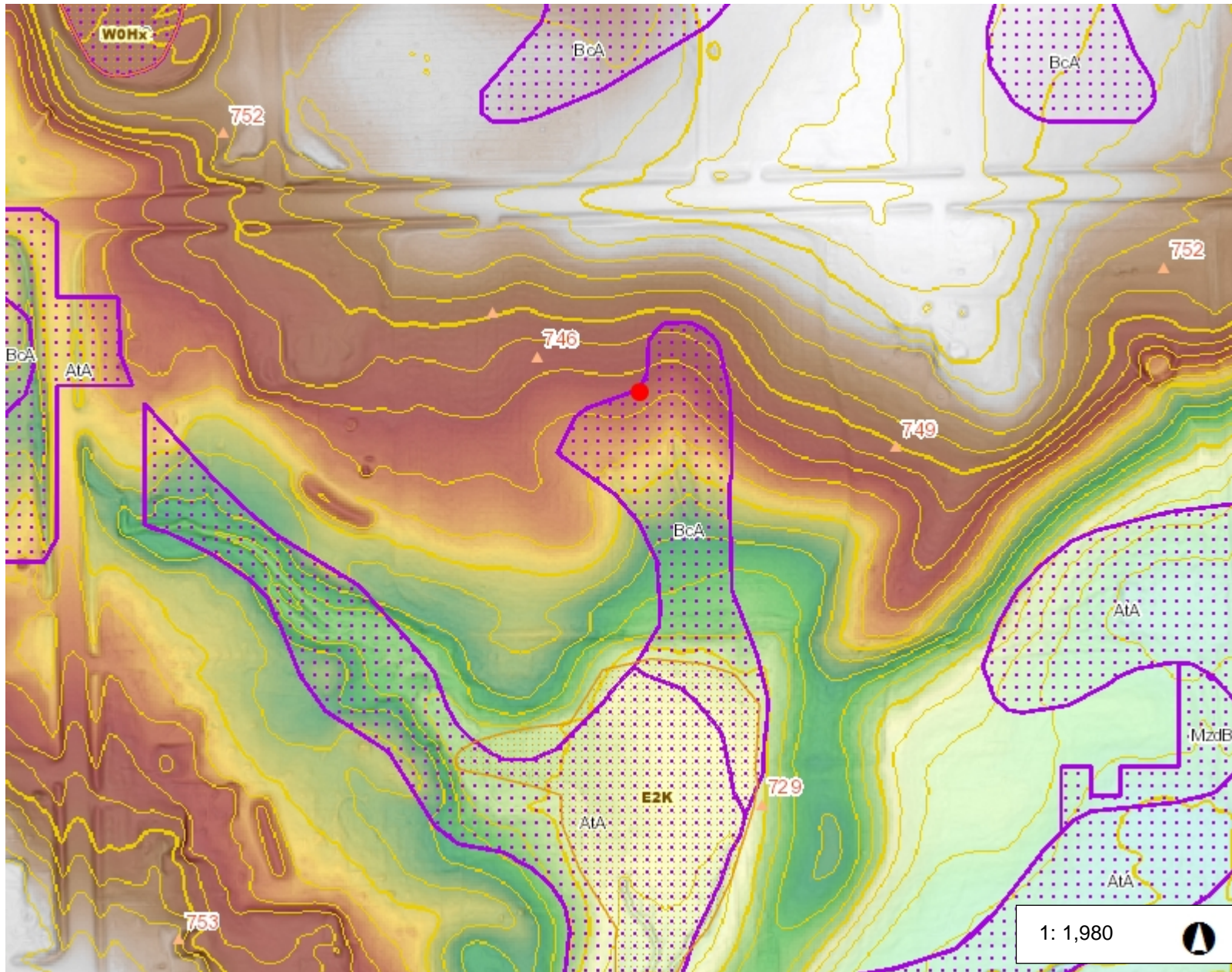


NAD_1983_HARN_Wisconsin_TM
© Latitude Geographics Group Ltd.

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Wisconsin Wetland Inventory Viewer Map



Legend

- Wetland Class Areas
- Wetland Class Points**
- Dammed pond
- Excavated pond
- Filled/draind wetland
- Wetland too small to delineate
- Filled excavated pond
- Filled Points
- Wetland Class Areas
- Filled Areas
- Maximum Extent Wetland Indic
- Elevation Points
- Elevation in Feet**
- High : 1912.45
- Low : 486.497
- Contours
- Railroads

Notes



NAD_1983_HARN_Wisconsin_TM
© Latitude Graphics Group Ltd.

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Site Photographs


Project Name		Site Location	Project No.
Wetland Identification		Shannon Hilbert	2022-02564
Photo No.	Date		
UPL-1	7/28/2022		
Description			
Upland sample point #1. Photo facing north upslope.			

Photo No.	Date		
UPL-1	7/28/22		
Description			
Upland sample point #1. Photo facing south downslope.			

Site Photographs


Project Name Wetland Identification		Site Location Shannon Hilbert	Project No. 2022-02564
Photo No. UPL-2	Date 7/28/2022		
Description Upland sample point #2. Photo facing east. Photo shows wooded plant community in field. Area was likely left vegetated to reduce erosion on the convergent slope.			

Photo No. UPL-2	Date 7/28/22		
Description Upland sample point #2. Photo facing north. Photo shows edge of wooded plant community in field. Area was likely left vegetated to reduce erosion on the convergent slope.			


Site Photographs

Project Name		Site Location	Project No.
Wetland Identification		Shannon Hilbert	2022-02564
Photo No.	Date		
UPL-3	7/28/2022		
Description			
Upland sample point #3. Photo facing north uphill. Sample point is located in lowest topographic area of the review area.			


Photo No.	Date		
UPL-3	7/28/22		
Description			
Upland sample point #3. Photo facing south. Sample point is located in lowest topographic area of the review area.			

Representative Air Photographs

Project Name Wetland Identification		Site Location Shannon Hilbert	Project No. 2022-02564
Photo No. Google Earth	Date 2010		
Description 2010 Air Photo			

Photo No. Google Earth	Date 2011		
Description 2011 Air Photo			

Representative Air Photographs

Project Name Wetland Identification		Site Location Shannon Hilbert	Project No. 2022-02564
Photo No.	Date		
Google Earth	2015		
Description 2015 Air Photo			

Project Name Wetland Identification		Site Location Shannon Hilbert	Project No. 2022-02564
Photo No.	Date		
Google Earth	2017		
Description 2017 Air Photo			

Representative Air Photographs


Project Name Wetland Identification		Site Location Shannon Hilbert	Project No. 2022-02564
Photo No.	Date		
Google Earth	2018		
Description 2018 Air photo			

Photo No.	Date		
Google Earth	2021		
Description 2021 Air Photo			

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Wetland Identification City/County: Racine Sampling Date: 7/28/22
 Applicant/Owner: Shannon Hilbert State: WI Sampling Point: UPL-1
 Investigator(s): WDNR- Kara Brooks Section, Township, Range: See Map
 Landform (hillside, terrace, etc.): Hillside Local relief (concave, convex, none): None Slope %: 8-12%
 Subregion (LRR or MLRA): LRR K Lat: See Map Long: _____ Datum: _____
 Soil Map Unit Name: See Map NWI classification: See Map

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation X, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No X
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No _____ Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
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Remarks: (Explain alternative procedures here or in a separate report.)
 Agricultural Field left fallow for one growing season. Sample taken in drainage feature on slope with soil erosion.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) _____ High Water Table (A2) _____ Aquatic Fauna (B13) _____ Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) _____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) <u>x</u> Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
---	--

Field Observations: Surface Water Present? Yes _____ No <u>x</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>x</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>x</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
--	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum (Plot size: <u>30' R</u>)				
1.	_____	_____	_____	
2.	_____	_____	_____	
3.	_____	_____	_____	
4.	_____	_____	_____	
5.	_____	_____	_____	
6.	_____	_____	_____	
7.	_____	_____	_____	
	=Total Cover			
Sapling/Shrub Stratum (Plot size: <u>15' R</u>)				
1.	_____	_____	_____	
2.	_____	_____	_____	
3.	_____	_____	_____	
4.	_____	_____	_____	
5.	_____	_____	_____	
6.	_____	_____	_____	
7.	_____	_____	_____	
	=Total Cover			
Herb Stratum (Plot size: <u>5' R</u>)				
1.	<u><i>Echinochloa crus-galli</i></u>	20	Yes	FAC
2.	<u><i>Ambrosia trifida</i></u>	15	Yes	FAC
3.	<u><i>Lotus corniculatus</i></u>	10	No	FACU
4.	<u><i>Daucus carota</i></u>	5	No	UPL
5.	<u><i>Abutilon theophrasti</i></u>	3	No	FACU
6.	_____	_____	_____	
7.	_____	_____	_____	
8.	_____	_____	_____	
9.	_____	_____	_____	
10.	_____	_____	_____	
11.	_____	_____	_____	
12.	_____	_____	_____	
	53 =Total Cover			
Woody Vine Stratum (Plot size: <u>30' R</u>)				
1.	_____	_____	_____	
2.	_____	_____	_____	
3.	_____	_____	_____	
4.	_____	_____	_____	
	=Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>35</u>	x 3 = <u>105</u>
FACU species <u>13</u>	x 4 = <u>52</u>
UPL species <u>5</u>	x 5 = <u>25</u>
Column Totals: <u>53</u> (A)	<u>182</u> (B)
Prevalence Index = B/A = <u>3.43</u>	

Hydrophytic Vegetation Indicators:

 1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

 3 - Prevalence Index is ≤3.0¹

 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Wetland Identification City/County: Racine Sampling Date: 7/28/22
 Applicant/Owner: Shannon Hilbert State: WI Sampling Point: UPL-2
 Investigator(s): WDNR- Kara Brooks Section, Township, Range: See Map
 Landform (hillside, terrace, etc.): toeslope Local relief (concave, convex, none): concave Slope %: 8-12%
 Subregion (LRR or MLRA): LRR K Lat: See Map Long: _____ Datum: _____
 Soil Map Unit Name: See Map NWI classification: See Map

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u>0</u> Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
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Remarks: (Explain alternative procedures here or in a separate report.)
 Sample point taken on wooded area in center of agricultural field. Area likely left vegetation to reduce erosion on convergent slope. Erosion is present in wooded area and downslope.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) _____ High Water Table (A2) _____ Aquatic Fauna (B13) _____ Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) _____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) <u>x</u> Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
---	--

Field Observations: Surface Water Present? Yes _____ No <u>x</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>x</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>x</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
--	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: UPL-2

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30' R</u>)																				
1. <u>Rhamnus cathartica</u>	<u>20</u>	Yes	FAC	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)																
2. <u>Ulmus americana</u>	<u>5</u>	Yes	FACW																	
3. _____																				
4. _____																				
5. _____																				
6. _____																				
7. _____																				
	<u>25</u>	=Total Cover		Prevalence Index worksheet: <table style="width:100%; border:none;"> <tr> <td style="width:50%; text-align:center;">Total % Cover of:</td> <td style="width:50%; text-align:center;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>5</u></td> <td>x 2 = <u>10</u></td> </tr> <tr> <td>FAC species <u>65</u></td> <td>x 3 = <u>195</u></td> </tr> <tr> <td>FACU species <u>29</u></td> <td>x 4 = <u>116</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>99</u> (A)</td> <td><u>321</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>3.24</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>5</u>	x 2 = <u>10</u>	FAC species <u>65</u>	x 3 = <u>195</u>	FACU species <u>29</u>	x 4 = <u>116</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>99</u> (A)	<u>321</u> (B)	Prevalence Index = B/A = <u>3.24</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>5</u>	x 2 = <u>10</u>																			
FAC species <u>65</u>	x 3 = <u>195</u>																			
FACU species <u>29</u>	x 4 = <u>116</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>99</u> (A)	<u>321</u> (B)																			
Prevalence Index = B/A = <u>3.24</u>																				
Sapling/Shrub Stratum (Plot size: <u>15' R</u>)																				
1. <u>Lonicera tatarica</u>	<u>20</u>	Yes	FACU																	
2. <u>Rhamnus cathartica</u>	<u>20</u>	Yes	FAC																	
3. _____																				
4. _____																				
5. _____																				
6. _____																				
7. _____																				
	<u>40</u>	=Total Cover																		
Herb Stratum (Plot size: <u>5' R</u>)																				
1. <u>Rhamnus cathartica</u>	<u>20</u>	Yes	FAC	Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
2. <u>Solidago canadensis</u>	<u>7</u>	Yes	FACU																	
3. <u>Toxicodendron radicans</u>	<u>5</u>	No	FAC																	
4. <u>Erigeron annuus</u>	<u>2</u>	No	FACU																	
5. _____																				
6. _____																				
7. _____																				
8. _____																				
9. _____																				
10. _____																				
11. _____																				
12. _____																				
	<u>34</u>	=Total Cover																		
Woody Vine Stratum (Plot size: <u>30' R</u>)																				
1. _____				Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																
2. _____																				
3. _____																				
4. _____																				
				Hydrophytic Vegetation Present? Yes <u>X</u> No _____																

Remarks: (Include photo numbers here or on a separate sheet.)
 large stand of dead Fraxinus penn.

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Wetland Identification City/County: Racine Sampling Date: 7/28/22
 Applicant/Owner: Shannon Hilbert State: WI Sampling Point: UPL-3
 Investigator(s): WDNR- Kara Brooks Section, Township, Range: See Map
 Landform (hillside, terrace, etc.): toeslope Local relief (concave, convex, none): concave Slope %: 8-12%
 Subregion (LRR or MLRA): LRR K Lat: See Map Long: _____ Datum: _____
 Soil Map Unit Name: See Map NWI classification: See Map

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation X, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No X
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
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Remarks: (Explain alternative procedures here or in a separate report.)
 Agricultural Field left fallow for one growing season. Sample taken in lowest topographic area in review area.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) _____ High Water Table (A2) _____ Aquatic Fauna (B13) _____ Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) _____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) _____ Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
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Field Observations: Surface Water Present? Yes _____ No <u>x</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>x</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>x</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: UPL-3

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum (Plot size: <u>30' R</u>)				
1.	_____	_____	_____	
2.	_____	_____	_____	
3.	_____	_____	_____	
4.	_____	_____	_____	
5.	_____	_____	_____	
6.	_____	_____	_____	
7.	_____	_____	_____	
	=Total Cover			
Sapling/Shrub Stratum (Plot size: <u>15' R</u>)				
1.	_____	_____	_____	
2.	_____	_____	_____	
3.	_____	_____	_____	
4.	_____	_____	_____	
5.	_____	_____	_____	
6.	_____	_____	_____	
7.	_____	_____	_____	
	=Total Cover			
Herb Stratum (Plot size: <u>5' R</u>)				
1.	<u>Ambrosia trifida</u>	40	Yes	FAC
2.	<u>Abutilon theophrasti</u>	20	Yes	FACU
3.	<u>Persicaria maculosa</u>	10	No	FAC
4.	<u>Plantago major</u>	5	No	FACU
5.	<u>Daucus carota</u>	3	No	UPL
6.	<u>Hibiscus trionum</u>	3	No	UPL
7.	<u>Trifolium pratense</u>	2	No	FACU
8.	_____	_____	_____	
9.	_____	_____	_____	
10.	_____	_____	_____	
11.	_____	_____	_____	
12.	_____	_____	_____	
	83 =Total Cover			
Woody Vine Stratum (Plot size: <u>30' R</u>)				
1.	_____	_____	_____	
2.	_____	_____	_____	
3.	_____	_____	_____	
4.	_____	_____	_____	
	=Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>50</u>	x 3 = <u>150</u>
FACU species <u>27</u>	x 4 = <u>108</u>
UPL species <u>6</u>	x 5 = <u>30</u>
Column Totals: <u>83</u> (A)	<u>288</u> (B)
Prevalence Index = B/A = <u>3.47</u>	

Hydrophytic Vegetation Indicators:

 1 - Rapid Test for Hydrophytic Vegetation

 2 - Dominance Test is >50%

 3 - Prevalence Index is ≤3.0¹

 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes No x

Remarks: (Include photo numbers here or on a separate sheet.)

