

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

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



5/6/2025

Tom Vils
10086 County Rd Y
Mazomanie, WI 53560

WIC-SC-2025-13-00402

RE: Wetland Identification Report for Project Review Area, located in SE 1/4, SE 1/4, Section 22, Township 09 North, Range 06 E, Village of Mazomanie, Dane County

Dear Tom Vils:

On 4/24/2025, 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 build a single family residence and also to evaluate the 75ft buffer from the home building site in order to ensure you are not impacting wetlands within the county enforced wetland setback area.

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 review of antecedent hydrologic conditions, recent aerial photography, Wisconsin Wetland Inventory (WWI) mapping, NRCS Soil Survey mapping, LiDAR and contour mapping, and on-site observations.

Based on the data analyzed for the off-site review, as well as the field conditions observed during the field review, **wetlands are not located in the project review area**. See enclosed mapping for review area.

Prior to conducting any activities in or around wetlands, we recommend you contact the appropriate staff from DNR Waterways Program, the U.S. Army Corps of Engineers, which may require a federal permit to work in wetlands, and relevant local government zoning authorities to ensure your project meets local floodplain and shoreland zoning ordinance requirements.

If you have any questions, please email me at kara.brooks@wisconsin.gov.

Sincerely,

Kara Brooks
Wetland Identification Specialist

Enclosed: WNDR Wetland Identification Program Field Map
WWI Mapping
2-foot Contour Mapping
LiDAR Mapping
NRCS Hydric Soils and WDNR "Maximum Extent" Indicators
Representative Site Photographs
USACE Wetland Determination Data Forms

WDNR Wetland ID Program Field Map



4/25/2025, 9:43:35 AM

DOA Statewide Parcel Map Database Project

Point layer

Upland Sample Point (SP)

Photo Point (PP)

Polygon layer

Review Area Boundary

Major Roads

County Boundaries

Municipal Boundary

State Boundary

County Boundaries

County and Local Roads

County HWY

Local Road

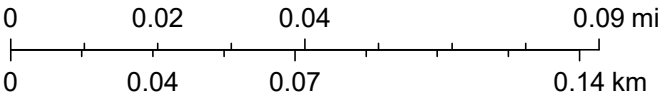
EN_Image_Basemap_Leaf_Off

Red: Band_1

Green: Band_2

Blue: Band_3

1:2,526



Wisconsin Wetland Inventory



4/25/2025, 9:46:41 AM

DOA Statewide Parcel Map Database Project

Point layer

- Upland
- Photo Point

Polygon layer

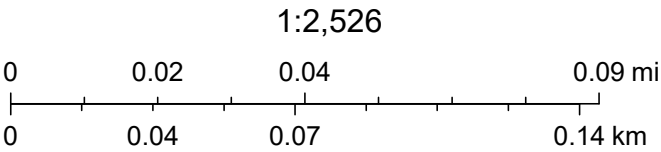
- Review Area Boundary
- Wisconsin Wetland Inventory Polygon Layer (stereo-pair mapping) - Wetland Class Areas

Major Roads

- County Boundaries
- Municipal Boundary
- State Boundary
- County Boundaries

County and Local Roads

- County HWY
- Local Road
- EN_Image_Basemap_Leaf_Off
- Red: Band_1
- Green: Band_2
- Blue: Band_3



2-foot Contour Map



4/25/2025, 9:43:02 AM

Elevation in Feet

1889.86 - 487.022

Contours

496.316 - 1,912.395

DOA Statewide Parcel Map Database Project

Point layer

Upland

Photo Point

Polygon layer

Review Area Boundary

Major Roads

County Boundaries

Municipal Boundary

State Boundary

County Boundaries

County and Local Roads

County HWY

Local Road

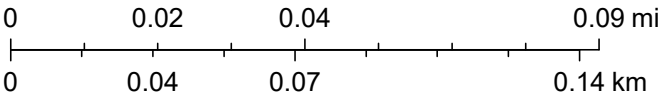
EN_Image_Basemap_Leaf_Off

Red: Band_1

Green: Band_2

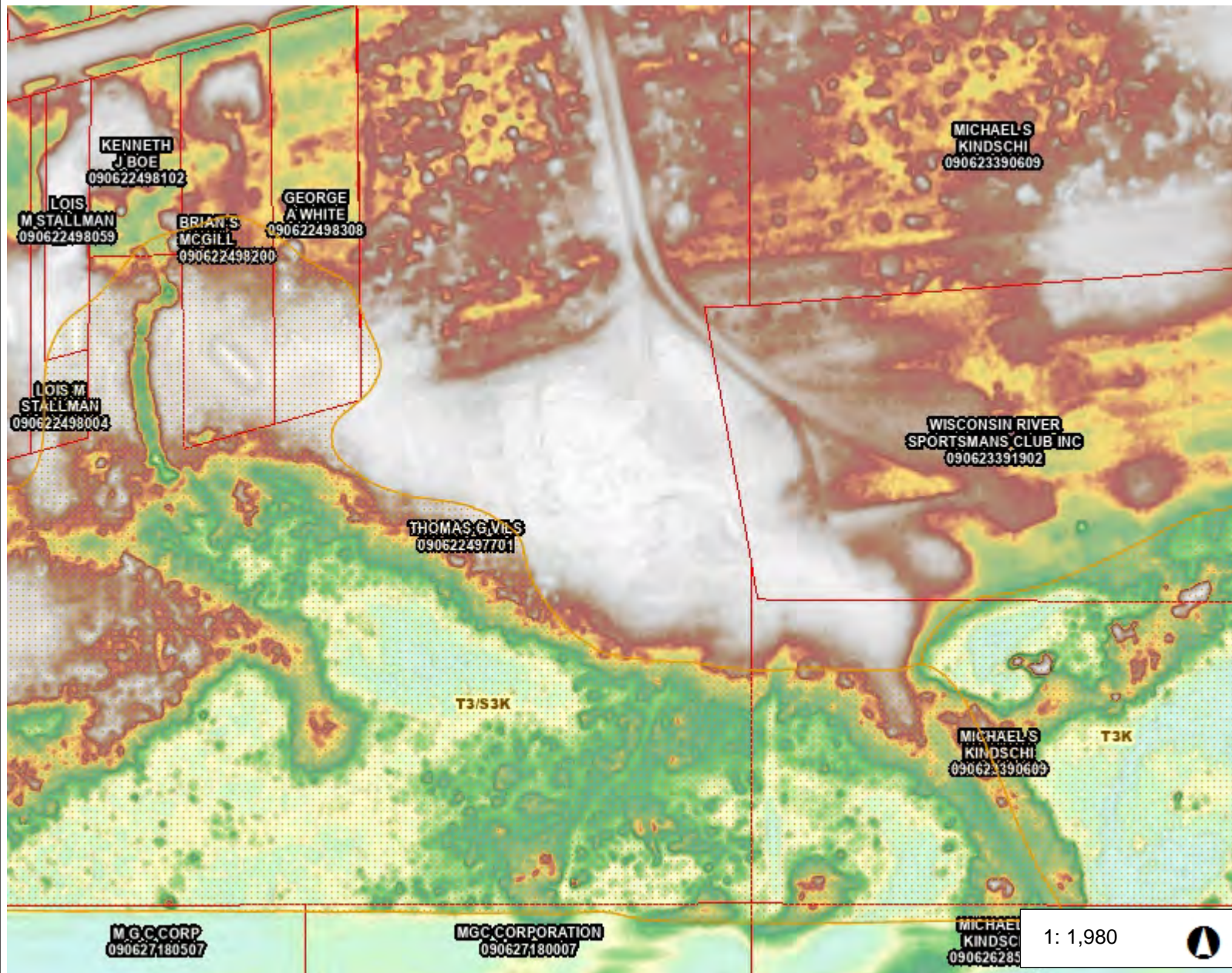
Blue: Band_3

1:2,526





Wisconsin Wetland Inventory Viewer Map



Legend

- Ponds/Open Water
- Lake Class Areas
- Riverine/ditch Class Areas
- 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
- County Tax Parcels Dynamic (1:3980)
- Major Roads
 - County Road
 - Interstate HWY
 - State HWY
 - US HWY
- Local Roads
- Railroads
- County Boundaries
- Municipal Boundary
- State Boundary

Notes

0.1 0 0.03 0.1 Miles

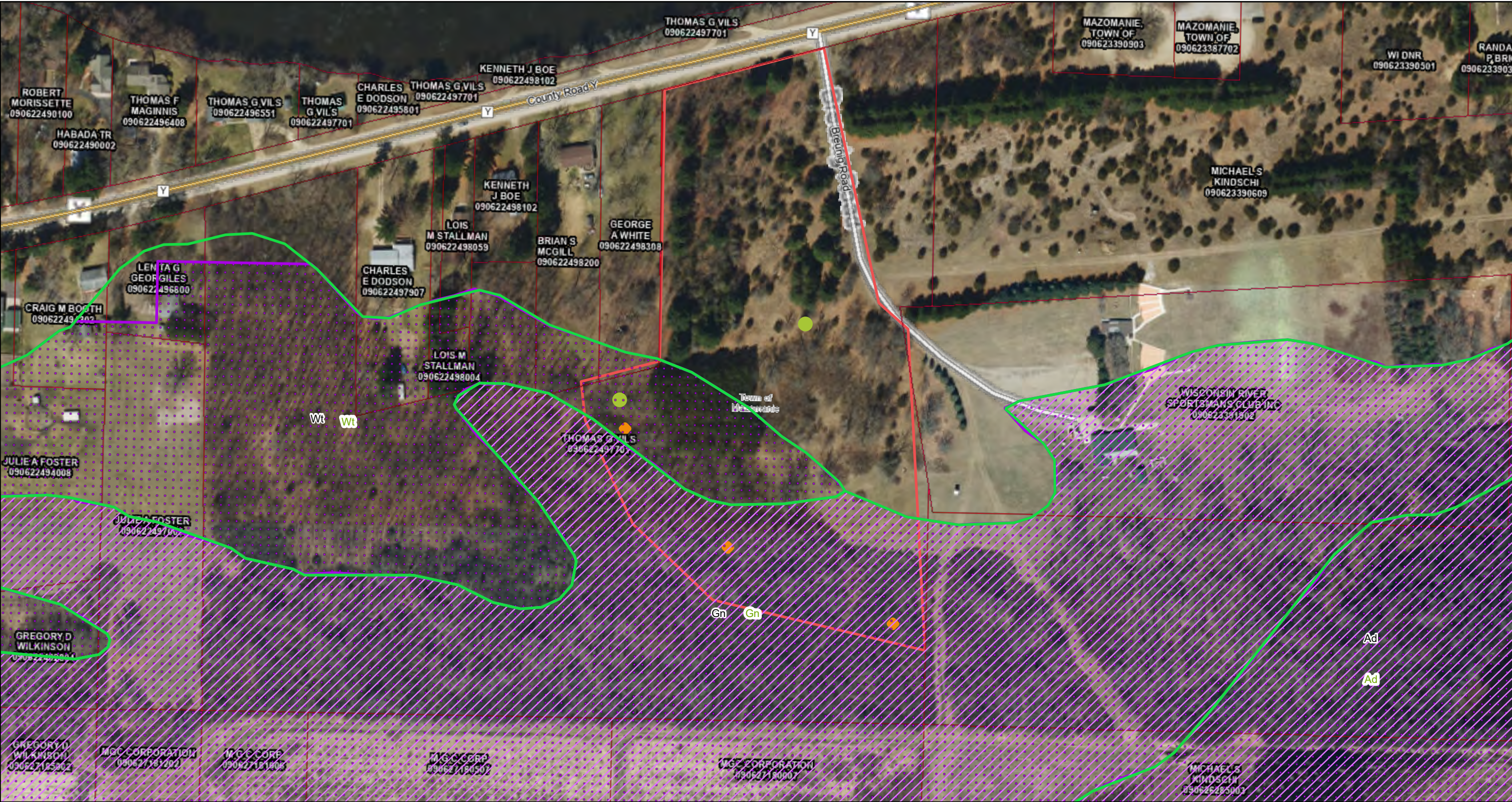
NAD_1983_HARN_Wisconsin_TM
© Latitude Geographics Group Ltd.

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/>

1: 1,980



Hydric Soil and Maximum Extent Indicators



4/25/2025, 9:47:59 AM

WY WETLANDS AND HABITAT - NRCS Soil Hydric Ratings

- Hydric
- Predominantly Non-Hydric
- WY WETLANDS AND HABITAT - Maximum Extent Wetland Indicators
- DOA Statewide Parcel Map Database Project

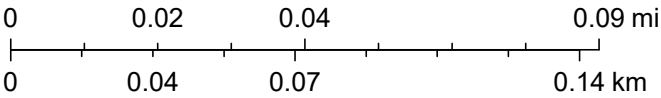
Point layer

- Upland
- Photo Point

Polygon layer

- Review Area Boundary
- Major Roads
- County Boundaries
- Municipal Boundary
- State Boundary
- County Boundaries
- County and Local Roads
- County HWY
- Local Road
- EN_Image_Basemap_Leaf_Off
- Red: Band_1
- Green: Band_2
- Blue: Band_3

1:2,526



Site Photographs

Project Name		Site Location	Project No.
Tom Vils Property		Mezomanie, Dane County	2025-00402
Photo No.	Date		
1	4/24/2025		
Description			
Photo of Upland Sample Point #1. Photo facing north.			

Photo No.	Date	
2	4/24/2025	
Description		
Photo of Upland Sample Point #1. Photo facing east.		

Site Photographs


Project Name		Site Location	Project No.
Tom Vils Property		Mezomanie, Dane County	2025-00402
Photo No.	Date		
3	4/24/2025		
Description			
Photo of Upland Sample Point #2. Photo facing northwest.			

Photo No.	Date	
4	4/24/2025	
Description		
Photo of Upland Sample Point #2. Photo facing northeast.		

Site Photographs


Project Name		Site Location	Project No.
Tom Vils Property		Mezomanie, Dane County	2025-00402
Photo No.	Date		
5	4/24/2025		
Description			
Photo of Upland Sample Point #3. Photo facing northwest.			

Photo No.	Date	
6	4/24/2025	
Description		
Photo of Upland Sample Point #3. Photo facing west.		

Site Photographs


Project Name		Site Location	Project No.
Tom Vils Property		Mezomanie, Dane County	2025-00402
Photo No.	Date		
7	4/24/2025		
Description			
Photo taken at Photo Point (PP) #1. Photo facing north.			

Photo No.	Date	
8	4/24/2025	
Description		
Photo taken at Photo Point (PP) #1. Photo facing east.		

Site Photographs


Project Name		Site Location	Project No.
Tom Vils Property		Mezomanie, Dane County	2025-00402
Photo No.	Date		
9	4/24/2025		
Description Photo taken at Photo Point (PP) #2. Photo facing southeast.			

Photo No.	Date	
10	4/24/2025	
Description Photo taken at Photo Point (PP) #2. Photo facing north.		

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: Tom Vils Property City/County: Village of Mazomanie, Dane Sampling Date: 4/24/2025

Applicant/Owner: Tom Vils State: WI Sampling Point: 1

Investigator(s): WDNR- Kara Brooks Section, Township, Range: See Map

Landform (hillside, terrace, etc.): side slope Local relief (concave, convex, none): none Slope %: 3-6

Subregion (LRR or MLRA): LRR K Lat: _____ 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 _____ 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: _____
Remarks: (Explain alternative procedures here or in a separate report.) Precipitation analysis is normal for this time of year. 30 days prior to site visit was wetter than normal. 60 & 90 days prior to site visitor were drier than normal.	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) </div> <div style="width: 50%;"> <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks) </div> </div>	<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> 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: Hydrology indicator were not present.	

VEGETATION – Use scientific names of plants.

Sampling Point: 1

Tree Stratum (Plot size: <u>30' Radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Fraxinus pennsylvanica</u>	<u>10</u>	<u>Yes</u>	<u>FACW</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>8</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>37.5%</u> (A/B)																
2. <u>Acer saccharum</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>																	
3. <u>Rhamnus cathartica</u>	<u>10</u>	<u>Yes</u>	<u>FAC</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
		<u>30</u>	=Total Cover	Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>10</u></td> <td>x 2 = <u>20</u></td> </tr> <tr> <td>FAC species <u>40</u></td> <td>x 3 = <u>120</u></td> </tr> <tr> <td>FACU species <u>25</u></td> <td>x 4 = <u>100</u></td> </tr> <tr> <td>UPL species <u>10</u></td> <td>x 5 = <u>50</u></td> </tr> <tr> <td>Column Totals: <u>85</u> (A)</td> <td><u>290</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.41</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>10</u>	x 2 = <u>20</u>	FAC species <u>40</u>	x 3 = <u>120</u>	FACU species <u>25</u>	x 4 = <u>100</u>	UPL species <u>10</u>	x 5 = <u>50</u>	Column Totals: <u>85</u> (A)	<u>290</u> (B)	Prevalence Index = B/A = <u>3.41</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>10</u>	x 2 = <u>20</u>																			
FAC species <u>40</u>	x 3 = <u>120</u>																			
FACU species <u>25</u>	x 4 = <u>100</u>																			
UPL species <u>10</u>	x 5 = <u>50</u>																			
Column Totals: <u>85</u> (A)	<u>290</u> (B)																			
Prevalence Index = B/A = <u>3.41</u>																				
Sapling/Shrub Stratum (Plot size: <u>15' Radius</u>)																				
1. <u>Rhamnus cathartica</u>	<u>30</u>	<u>Yes</u>	<u>FAC</u>																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
		<u>30</u>	=Total Cover	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
Herb Stratum (Plot size: <u>5' Radius</u>)																				
1. <u>Alliaria petiolata</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>																	
2. <u>Lonicera tatarica</u>	<u>5</u>	<u>Yes</u>	<u>FACU</u>																	
3. <u>Daucus carota</u>	<u>5</u>	<u>Yes</u>	<u>UPL</u>																	
4. <u>Carex pensylvanica</u>	<u>5</u>	<u>Yes</u>	<u>UPL</u>																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
		<u>25</u>	=Total Cover	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.																
Woody Vine Stratum (Plot size: <u>30' Radius</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
		_____	=Total Cover	Hydrophytic Vegetation Present? Yes <u> </u> No <u> X </u>																
Remarks: (Include photo numbers here or on a separate sheet.) additional 30% cover of dead Ash Trees																				

SOIL

Sampling Point	1
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[illegible]

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
--	---

Project/Site: Tom Vils Property City/County: Village of Mazomanie, Dane Sampling Date: 4/24/2025

Applicant/Owner: Tom Vils State: WI Sampling Point: 2

Investigator(s): WDNR- Kara Brooks Section, Township, Range: See Map

Landform (hillside, terrace, etc.): side slope Local relief (concave, convex, none): none Slope %: 2-5

Subregion (LRR or MLRA): LRR K Lat: _____ 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 _____ 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: _____
---	---

Remarks: (Explain alternative procedures here or in a separate report.)
 Precipitation analysis is normal for this time of year. 30 days prior to site visit was wetter than normal. 60 & 90 days prior to site visitor were drier than normal.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) </div> <div style="width: 50%;"> <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks) </div> </div>	<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> 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>
--	---

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

Remarks:
 Hydrology indicator were not present.

VEGETATION – Use scientific names of plants.

 Sampling Point: 2

Tree Stratum (Plot size: <u>30' Radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u><i>rhamnus cathartica</i></u>	<u>15</u>	<u>Yes</u>	<u>FAC</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
	<u>15</u>	<u>=Total Cover</u>		Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </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>22</u></td> <td>x 3 = <u>66</u></td> </tr> <tr> <td>FACU species <u>45</u></td> <td>x 4 = <u>180</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>72</u> (A)</td> <td><u>256</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.56</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>22</u>	x 3 = <u>66</u>	FACU species <u>45</u>	x 4 = <u>180</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>72</u> (A)	<u>256</u> (B)	Prevalence Index = B/A = <u>3.56</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>22</u>	x 3 = <u>66</u>																			
FACU species <u>45</u>	x 4 = <u>180</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>72</u> (A)	<u>256</u> (B)																			
Prevalence Index = B/A = <u>3.56</u>																				
Sapling/Shrub Stratum (Plot size: <u>15' Radius</u>)																				
1. <u><i>Lonicera tatarica</i></u>	<u>15</u>	<u>Yes</u>	<u>FACU</u>																	
2. <u><i>rhamnus cathartica</i></u>	<u>7</u>	<u>Yes</u>	<u>FAC</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
	<u>22</u>	<u>=Total Cover</u>																		
Herb Stratum (Plot size: <u>5' Radius</u>)																				
1. <u><i>Alliaria petiolata</i></u>	<u>25</u>	<u>Yes</u>	<u>FACU</u>																	
2. <u><i>Lonicera tatarica</i></u>	<u>5</u>	<u>No</u>	<u>FACU</u>																	
3. <u><i>Laportea canadensis</i></u>	<u>5</u>	<u>No</u>	<u>FACW</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
	<u>35</u>	<u>=Total Cover</u>																		
Woody Vine Stratum (Plot size: <u>30' Radius</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
	_____	<u>=Total Cover</u>																		
Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators 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? <table style="width: 100%;"> <tr> <td style="width: 50%;">Yes <u> </u></td> <td style="width: 50%;">No <u> X </u></td> </tr> </table>				Yes <u> </u>	No <u> X </u>															
Yes <u> </u>	No <u> X </u>																			
Remarks: (Include photo numbers here or on a separate sheet.) 20% cover of dead Fraxinus Penn																				

Sampling Point 2

Northcentral and Northeast – Version 2.0

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: Tom Vils Property City/County: Village of Mazomanie, Dane Sampling Date: 4/24/2025
Applicant/Owner: Tom Vils State: WI Sampling Point: 3
Investigator(s): WDNR- Kara Brooks Section, Township, Range: See Map
Landform (hillside, terrace, etc.): side slope Local relief (concave, convex, none): none Slope %: 3-6
Subregion (LRR or MLRA): LRR K Lat: _____ 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 _____ 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: _____
Remarks: (Explain alternative procedures here or in a separate report.) Precipitation analysis is normal for this time of year. 30 days prior to site visit was wetter than normal. 60 & 90 days prior to site visit were drier than normal. Sample point taken adjacent to mowed path.	

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)
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: Hydrology indicator were not present.	

VEGETATION – Use scientific names of plants.

Sampling Point: 3

Tree Stratum (Plot size: <u>30' Radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Fraxinus pennsylvanica</u>	<u>10</u>	<u>Yes</u>	<u>FACW</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</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>50.0%</u> (A/B)																
2. <u>Acer saccharum</u>	<u>5</u>	<u>Yes</u>	<u>FACU</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
		<u>15</u>	=Total Cover	Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>13</u></td> <td>x 2 = <u>26</u></td> </tr> <tr> <td>FAC species <u>25</u></td> <td>x 3 = <u>75</u></td> </tr> <tr> <td>FACU species <u>60</u></td> <td>x 4 = <u>240</u></td> </tr> <tr> <td>UPL species <u>5</u></td> <td>x 5 = <u>25</u></td> </tr> <tr> <td>Column Totals: <u>103</u> (A)</td> <td><u>366</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.55</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>13</u>	x 2 = <u>26</u>	FAC species <u>25</u>	x 3 = <u>75</u>	FACU species <u>60</u>	x 4 = <u>240</u>	UPL species <u>5</u>	x 5 = <u>25</u>	Column Totals: <u>103</u> (A)	<u>366</u> (B)	Prevalence Index = B/A = <u>3.55</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
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FAC species <u>25</u>	x 3 = <u>75</u>																			
FACU species <u>60</u>	x 4 = <u>240</u>																			
UPL species <u>5</u>	x 5 = <u>25</u>																			
Column Totals: <u>103</u> (A)	<u>366</u> (B)																			
Prevalence Index = B/A = <u>3.55</u>																				
Sapling/Shrub Stratum (Plot size: <u>15' Radius</u>)																				
1. <u>Lonicera tatarica</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>																	
2. <u>rhamnus cathartica</u>	<u>10</u>	<u>Yes</u>	<u>FAC</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
		<u>20</u>	=Total Cover	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
Herb Stratum (Plot size: <u>5' Radius</u>)																				
1. <u>Glechoma hederacea</u>	<u>30</u>	<u>Yes</u>	<u>FACU</u>																	
2. <u>Rubus idaeus</u>	<u>15</u>	<u>Yes</u>	<u>FAC</u>																	
3. <u>Alliaria petiolata</u>	<u>10</u>	<u>No</u>	<u>FACU</u>																	
4. <u>Acer saccharum</u>	<u>5</u>	<u>No</u>	<u>FACU</u>																	
5. <u>Carex pensylvanica</u>	<u>5</u>	<u>No</u>	<u>UPL</u>																	
6. <u>Laportea canadensis</u>	<u>3</u>	<u>No</u>	<u>FACW</u>																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
		<u>68</u>	=Total Cover	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.																
Woody Vine Stratum (Plot size: <u>30' Radius</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
		_____	=Total Cover	Hydrophytic Vegetation Present? Yes <u> </u> No <u> X </u>																

Remarks: (Include photo numbers here or on a separate sheet.)
 20% cover of dead Fraxinus Penn

SOIL

Sampling Point 3

[illegible]