

6-22-12

Mr. Travis Schroeder WIDNR 141 NW Barstow St. Waukesha, WI 53188 Mr. Anthony Jernigan USACOE 20711 Watertown Road Waukesha, WI 53186

Dear Travis and Anthony:

Wetland & Waterway Consulting (WWC) has conducted a wetland delineation on property located in Sec. 26, T11N, R19E, City of West Bend. The delineation was conducted on 5-24-12 at the request of the landowner. This parcel is an existing industrial park and will be undergoing further development. Because the previous delineation was conducted in 2005 and the 5 year concurrence timeframe has expired, the site has been re-delineated. Please send your concurrence letter to:

Mr. Eric Thom Continental 109/52 Fund LLC W134 N8675 Executive Parkway Menomonee Falls, WI 53051

Investigator

David Meyer is an independent environmental consultant providing environmental permitting services, site assessments, wetland delineations, and planning advice. He obtained a master's degree in Natural Resources Management from Southern Illinois University-Carbondale in 1977. Mr. Meyer has held technical and administrative positions in wetland and water resources specialties with the Wisconsin Department of Natural Resources and the U.S. Army Corps of Engineers. He has satisfactorily completed the Reg IV Wetland Delineation training offered by the U.S. Army Corps of Engineers, the Advanced Wetland Delineation training conducted by the University of Wisconsin-LaCrosse in 2002 and 2007, the USACOE/WIDNR 1987 Wetland Delineation Manual Midwest Region Supplement Training in 2009, the USACOE/WIDNR 1987 Wetland Delineation Manual Northcentral/Northeast Region Supplement Training in 2010, the Basic Hydric Soil ID training conducted by the University of Wisconsin-LaCrosse in 2011, and the Primary Environmental Corridor Delineation Workshop conducted by the Southeastern Wisconsin Regional Planning Commission in 2004.

Methods

The site visit was conducted according to the guidelines identified in the U.S. Army Corps of Engineers' 1987 manual and the Regional Supplement. The plot size used was a 30 foot radius circle for trees, shrub/saplings, and woody vines, and a 5 foot radius circle for herbaceous

vegetation. Resources utilized in the investigation included the NRCS county soil survey, aerial photos, and county plat maps. Sampling points were located in the areas that exhibited wetland characteristics as well as upland characteristics. Data was collected on the vegetation, hydrology, and soils at each sampling point.

Description of the Site

This approximately 90.39 acre site is located on the northwest corner of the intersection of STH 45 and CTH "NN" on the west side of West Bend. It is platted as an industrial park but no buildings have been constructed yet. It consists of actively cropped fields, upland hardwoods, and wetlands.

Precipitation Data

Precipitation data from the websites of the USDA Natural Resource Conservation Service and the National Oceanic and Atmospheric Administration (NOAA) was reviewed.

Long Term Conditions--- The NRCS WETS tables indicate that in the subject area, the 30-year normal range of precipitation for the three full months (February, March, April) prior to the delineation is between 4.36 and 7.62 inches and the average is 6.23 inches. Actual precipitation for this 3 month period recorded on the National Oceanic and Atmospheric Administration (NOAA) website was 7.33 inches. Longer-term conditions were within the normal range.

Short term Conditions---The 30-year normal range for the month of May is between 1.99 and 3.74 inches and the average is 2.99 inches. The actual precipitation for the 14 day period immediately preceding the delineation was 0.12 inches. Shorter-term conditions were drier than normal.

Wetland Complexes

The delineation identified 2 wetland complexes on the parcel:

- 1. A stand of lowland hardwood trees and shrubs (Data point #'s 1 and 2) is located on the western side of the site in a shallow depressional basin. The adjacent upland areas are cropped fields bordered by unmowed grassy areas (Data point #3).
- 2. A stand of lowland hardwood trees and shrubs (Data point #'s 6 and 8) with scattered patches of shallow water marsh (Data point #4) is located on the eastern side of the site in a shallow depressional basin. The adjacent upland area to the west is a steep hill slope (Data point #7). The upland area to the south (Data point #5) is a stand of upland hardwood trees and shrubs.

Conclusion

The wetland lines staked in the field and referred to in this report are the best estimate of the wetland boundaries based on the conditions present at the time of delineation. Concurrence with this wetland line by the U.S. Army Corps of Engineers and the Wisconsin Department of Natural Resources must be obtained before undertaking any alterations or modifications of this property. Input from these agencies may result in adjustments to the wetland/upland boundaries.

Activities affecting wetlands or surface waters may require permits from the U.S. Army Corps of Engineers, the Wisconsin Department of Natural Resources, and local municipal authorities. The client must obtain authorization from all proper regulatory authorities before altering, modifying, or using the property. If the required authorizations are not obtained, Wetland & Waterway Consulting, LLC shall not be liable or responsible for any resulting damages.

Because there are no navigable waterways on or within 500 feet of the site, Ch. 30 permits from the WIDNR and the accompanying USACOE permits will not be needed to undertake development of this parcel. Any wetland fill, however, will require approval from one of both of these agencies and cannot be undertaken without the required permits.

Sincerely.

Dave Meyer

Attachments

- 1. Data sheets
- 2. Soil Survey map
- 3. Wisconsin Wetland Inventory map
- 4. USGS topo map
- 5. Locator map
- 6. Wetland boundary map

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region West Bend Corporate (entry County Sampling Date: Project/Site: Sampling Point: # Applicant/Owner: Section, Township, Range: Sec. 26 T/1 Investigator(s): depressional Dasin Local relief (concave, convex, none): Landform (hillslope, terrage, etc.): Slope (%): ~5 Datum: Lat. Soil Map Unit Name HOUGHTON MUCK NWI Classification: Are climatic/hydrologic conditions of the site typical for this time of the year 3ee How (If no, explain in remarks , or hydrology / significantly disturbed? Are "normal Are vegetation M , or hydrology circumstances" present? Are vegetation , soil naturally problematic? (If needed, explain any answers in remarks) SUMMARY OF FINDINGS Hydrophytic vegetation present? Is the sampled area within a wetland? Hydric soil present? Wetland hydrology present? If yes, optional wetland site ID: Remarks: (Explain alternative procedures here or in a separate report.) **HYDROLOGY** Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Drift Deposits (B3) Roots (C3) Saturation Visible on Aerial Imagery Algal Mat or Crust (B4) Presence of Reduced Iron (C4) (C9) Iron Deposits (B5) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1) Geomorphic Position (D2) Inundation Visible on Aerial Soils (C6) Thin Muck Surface (C7) Shallow Aquitard (D3) Imagery (B7) FAC-Neutral Test (D5) Other (Explain in Remarks) Sparsely Vegetated Concave Microtopographic Relief (D4) Surface (B8) Field Observations: Wetland No Depth (inches): Surface water present? Yes Water table present? Depth (inches): hydrology Saturation present? Depth (inches) present? (includes capillary fringe) Descrive recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Wetland occupies a shallow depressional basin

VEGETATION - Use scientific names of plan	Sampling Point:			
				50/20 Thresholds
Tree Stratum Plot Size ()	Absolute	Dominant	Indicator	20% 50%
	%Cover	Species	Staus	Tree Stratum 2 1
1 Ul Mus americana	27		LACM	Caping/Chiao Chatain
2	_		EALL	Herb Stratum
3 Heer nechoco	77		FACW	Woody Vine Stratum
5 Populus dettoides	90		FAC	Dominance Test Worksheet
6	0			Number of Dominant
7				Species that are OBL,
8				FACW, or FAC: (A)
9				Total Number of Dominant
10	1			Species Across all Strata:(B)
	100 =	Total Cover		Percent of Dominant
				Species that are OBL,
Sapling/Shurb Plot Size ()	Absolute	Dominant	Indicator	FACW, or FAC:
Stratum	% Cover	Species	Staus	
1 /cer hexundo	20		FACW	Prevalence Index Worksheet
2 1 1 1				Total % Cover of:
3 Rhamhus Cathartica	20		FAC	OBL species x 1 =
4	-	-		FACW species x 2 = FAC species x 3 =
5				FAC species x 3 = FACU species x 4 =
6				UPL species x 5 =
7	-			Column totals (A) (B)
8				Prevalence Index = B/A =
10				
10	40 =	Total Cover		
				Hydrophytic Vegetation Indicators:
No. 1 Charles Black Size /	Absolute	Dominant	Indicator	Rapid test for hydrophytic vegetation
Herb Stratum Plot Size ()	% Cover	Species	Staus	Dominance test is >50%
1 Alliaria Detiolata	20		FACH	Prevalence index is ≤3.0*
2 1 1			15111	Morphogical adaptations* (provide
3 Phalaris arundinalla	60		FACH	supporting data in Remarks or on a
4 Pl	-		7/1	<pre>separate sheet) Problematic hydrophytic vegetation*</pre>
5 Khamnus Cathartica			140	(explain)
6				*Indicators of hydric soil and wetland hydrology must be
8	-			present, unless disturbed or problematic
9	-			
10				Definitions of Vegetation Strata:
11				Tree - Woody plants 3 in. (7.6 cm) or more in diameter at
12				breast height (DBH), regardless of height.
13				Sapling/shrub - Woody plants less than 3 in. DBH and
15				greater than 3.28 ft (1 m) tall.
	95 =	Total Cover		Herb - All herbaceous (non-woody) plants, regardless of
		_		size, and woody plants less than 3.28 ft tall.
Woody Vine Plot Size (Absolute	Dominant	Indicator	
Stratum	% Cover	Species	Staus FACW	Woody vines - All woody vines greater than 3.28 ft in height.
1 Vitistiparia	70		FIRCE	neight.
3	***************************************			
4		-		Hydrophytic
5				vegetation
*	75 =	Total Cover		present?
Remarks: (Include photo numbers here or on a sepa	arate sheet)			
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SOIL Sampling Point:							
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth Matrix Redox Features Texture Remarks							
(Inches) Color (moist) % Color (moist) % Type* Loc**							
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*Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains							
**Location: PL=Pore Lining, M=Matrix							
t ti dan Car Dachtamatia Undeia Caile	:						
Hydric Soil Indicators: Indicators for Problematic Hydric Soils							
Histisol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) *Indicators of hydrophytic vegetation and weltand hydrology must be present, unless disturbed or problematic 2 cm Muck (A10) (LRR K, L, MLRA 149B Coast Prairie Redox (A16) (LRR K, L, R) Dark Surface (S7) (LRR K, L, R) Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, III) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 149 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Very Shallow Dark Surface (TF12) Other (Explain in Remarks) *Indicators of hydrophytic vegetation and weltand hydrology must be present, unless disturbed or problematic							
Restrictive Layer (if observed): Type: Depth (inches): Hydric soil present?							
Remarks:							
TVETTEL NO.							

Slope (%): Lat.: Long Soil Map Unit Name Rad Tord Silt Joan	State: Sampling Point: # 2 WC Section, Township, Range: Sec. 26 TIIN K19 Simul basis Local relief (concave, convex, none): Carcarc
SUMMARY OF FINDINGS	
Hydrophytic vegetation present? Hydric soil present? Wetland hydrology present?	Is the sampled area within a wetland?
Remarks: (Explain alternative procedures here or in a set RaA is a Mollisol- a procedure or in a set RaA is a mollisol- a procedure or in a set RaA is	eparate report.)
HYDROLOGY	
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Aquatic Indicated Aquatic Indicated Application Application Indicated In	tained Leaves (B9) Fauna (B13) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery of Reduced Iron (C4) Ton Reduction in Tilled 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)
Surface water present? Yes No Water table present? Yes No Saturation present? Yes No (includes capillary fringe)	Depth (inches):
Remarks: Westand occupies 9 St	

VEGETATION - Use scientific names of plan	ts			Sampling Point:
VEGETATION COS CONTRACTOR				50/20 Thresholds
	Absolute	Dominant	Indicator	20% 50%
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1 Ulmus americana	73		1 0000	Herb Stratum
2				Woody Vine Stratum
3	1		FACTI	vvoody vine Stratum
4 ACEV negunco	13		1-m CW	Dominance Test Worksheet
5	-/-		FAIT	- ************************************
67 Modinus Penh Ell While	_/		FACE	Number of Dominant
7				Species that are OBL,
8				FACW, or FAC: (A)
9				Total Number of Dominant
10				Species Across all Strata:(B)
	=	Total Cover		Percent of Dominant
				Species that are OBL,
Sapling/Shurb Blot Size /	Absolute	Dominant	Indicator	FACW, or FAC: (A/B)
FIOL SIZE	% Cover	Species	Staus	
Stratum	70 0000	oposide.	FACW	Prevalence Index Worksheet
1 Acer hechno			THOW	
2 0			- A	Total % Cover of:
3 Cornus amomum	15		FACW	OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
6				FACU speciesx 4 =
7				UPL speciesx 5 =
8				Column totals (A) (B)
9				Prevalence Index = B/A =
10				
	20 =	Total Cover		
	0			Hydrophytic Vegetation Indicators:
	Absolute	Dominant /	Indicator	Papid test for hydrophytic vegetation
Herb Stratum Plot Size ()	%_Cover	Species	Staus	Dominance test is >50%
1 Phalaris arundinacea	50		FACE	Prevalence index is ≤3.0*
	_0		1 000	Morphogical adaptations* (provide
2 11 11 2 1 2 1 2 1	90		FAC	supporting data in Remarks or on a
3 Wrtica CIDICA	40		100	separate sheet)
4				Problematic hydrophytic vegetation*
5				(explain)
6				
7				*Indicators of hydric soil and wetland hydrology must be
8				present, unless disturbed or problematic
9				Definitions of Vegetation Strata:
10				
12				Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
13				
14				Sapling/shrub - Woody plants less than 3 in. DBH and
15	-//	T. 1-1-0		greater than 3,28 ft (1 m) tall.
	100	Total Cover		Herb - All herbaceous (non-woody) plants, regardless of
7			la diantas	size, and woody plants less than 3.28 ft tall.
Woody Vine Plot Size ()	Absolute	Dominant	Indicator	
Stratum	% Cover	Species	Staus	Woody vines - All woody vines greater than 3.28 ft in
1 Vitis riparia	10		1 ,000	height.
2				
3				
4		_		Hydrophytic
5				vegetation
	10=	Total Cover		present?
Remarks: (Include photo numbers here or on a sepa	arate sneet)			

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Sampling Point:

SOIL	SOIL							
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	2totion D	-Donlot	ion PM-Peduce	ad Matrix CS	S=Covered	or Coated Sand Grains		
*Type: C=0	Concentration, D	=Deplet	ion, Kivi-Reduce	ed Matrix, Oc)-Covered	or obdited burie or amin		
**Location:	PL=Pore Lining	, M=Ma	trix				Linear de Unideia Cailai	
Hydric So	il Indicators:					Indicators for Pro	blematic Hydric Soils:	
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Туре:	Restrictive Layer (if observed): Type: Depth (inches): Hydric soil present?							
Remarks:								

Project/Site: West Bend Corporate (In Applicant/Owner: Investigator(s): Meyer Landform (hillslope, terrage, etc.): Lor Soil Map Unit Name Fox Silf Logn FSS Are climatic/hydrologic conditions of the site typical for Are vegetation soil or hydrology Are vegetation soil or hydrology (If needed, explain any answers in remarks)	State: Section, Local relief (compared to the year 320 Mp.)	NWI Classification: (If no, explain in remarks) Are "normal
SUMMARY OF FINDINGS		
Hydrophytic vegetation present? Hydric soil present? Wetland hydrology present?	Is the sampled area with	-
Remarks: (Explain alternative/procedures here or in a s Data point ocated on ed	se of farmed	Field
HYDROLOGY		
		Secondary Indicators (minimum of two
Primary Indicators (minimum of one is required; check a	all that apply)	required)
Surface Water (A1) Water-S	Stained Leaves (B9)	Surface Soil Cracks (B6)
High Water Table (A2) Aquatic	Fauna (B13)	Drainage Patterns (B10)
Saturation (A3) Marl De	posits (B15)	Moss Trim Lines (B16)
	en Sulfide Odor (C1)	Dry-Season Water Table (C2)
Sediment Deposits (B2) Oxidized	d Rhizospheres on Living	Crayfish Burrows (C8)
Drift Deposits (B3) Roots (C		Saturation Visible on Aerial Imagery
	ce of Reduced Iron (C4)	(C9)
	Iron Reduction in Tilled	Stunted or Stressed Plants (D1)
Inundation Visible on Aerial Soils (C	•	Geomorphic Position (D2)
	ick Surface (C7)	Shallow Aquitard (D3)
, ,	Explain in Remarks)	FAC-Neutral Test (D5)
Surface (B8)		Microtopographic Relief (D4)
Field Observations:	/	
Surface water present? Yes No	Depth (inches):	Wetland
Water table present? Yes No	Depth (inches):	hydrology
Saturation present? Yes No	Depth (inches):	present?
(includes capillary fringe)		
Descrive recorded data (stream gauge, monitoring well,	aerial photos, previous insper	ctions) if available:
Describe recorded data (stream gauge, monitoring well,	dendi priotos, previodo irisper	station, it at all all all all all all all all all
Remarks:		

	ants			Sampling Point:
Tree Stratum Plot Size ()	Absolute % Cover	Dominant Species	Indicator Staus	50/20 Thresholds 20% 50% Tree Stratum Sapling/Shrub Stratum Herb Stratum Woody Vine Stratum
3	Absolute % Cover	Total Cover Dominant Species	Indicator	Dominance Test Worksheet Number of Dominant Species that are OBL, FACW, or FAC: Total Number of Dominant Species Across all Strata: Percent of Dominant Species that are OBL, FACW, or FAC: (A/B)
Labus Occidentalis Cara de la ca	10	Species	UPL	Prevalence Index Worksheet Total % Cover of: OBL species
0	Absolute	Total Cover	Indicator	Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation
Herb Stratum Plot Size () 1 FOM IS INCRMIS 23 45 66 7	% Cover / 0	Species	Staus UPC	Dominance test is >50% Prevalence index is ≤3.0* Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
9 0 1 2 3 4				Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Plot Size () Stratum	Absolute % Cover	Total Cover Dominant Species	Indicator Staus	greater than 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 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 5		Total Cover		Hydrophytic vegetation present?

Sampling Point: SOIL Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Remarks Texture Loc** % Type* (Inches) Color (moist) Color (moist) Dam Jan *Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains **Location: PL=Pore Lining, M=Matrix Indicators for Problematic Hydric Soils: Hydric Soil Indicators: 2 cm Muck (A10) (LRR K, L, MLRA 149B Polyvalue Below Surface Histisol (A1) Coast Prairie Redox (A16) (LRR K, L, R) (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Thin Dark Surface (S9) Black Histic (A3) Dark Surface (S7) (LRR K, L (LRR R, MLRA 149B Hydrogen Sulfide (A4) Polyvalue Below Surface (S8) (LRR K, L) Loamy Mucky Mineral (F1) Stratified Layers (A5) Thin Dark Surface (S9) (LRR K, L) (LRR K, L) Depleted Below Dark Suface (A11) Iron-Manganese Masses (F12) (LRR K, L, R) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Piedmont Floodplain Soils (F19) (MLRA 149B) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (TF2) Sandy Redox (S5) Very Shallow Dark Surface (TF12) Redox Depressions (F8) Stripped Matrix (S6) Other (Explain in Remarks) Dark Surface (S7) (LRR R, MLRA *Indicators of hydrophytic vegetation and weltand hydrology must be present, unless disturbed or problematic Restrictive Layer (if observed): Hydric soil present? Type: Depth (inches): Remarks:

Project/Site: West Bend Corporate (la Applicant/Owner: Investigator(s): Meyer Landform (hillslope, terrage, etc.): Jet land den Slope (%): Lat.: Soil Map Unit Name Mehno Silt One Man Are climatic/hydrologic conditions of the site typical for the Are vegetation , soil , or hydrology Are vegetation , soil , or hydrology (If needed, explain any answers in remarks)	State: Section, To	NWI Classification: 7 3/C (If no, explain in remarks) Are "normal ()
SUMMARY OF FINDINGS		
Hydrophytic vegetation present? Hydric soil present? Wetland hydrology present?	Is the sampled area with	
Remarks: (Explain alternative procedures here or in a se	eparate report.)	
MAAisa mollisol-a pu		
HYPROLOGY		
HYDROLOGY		Secondary Indicators (minimum of two
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Aquatic Marl Aquatic Marl Aquatic Marl Aquatic	tained Leaves (B9) Fauna (B13) posits (B15) In Sulfide Odor (C1) If Rhizospheres on Living C3) In the of Reduced Iron (C4) Iron Reduction in Tilled	secondary Indicators (minimum of two required) 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) FAC-Neutral Test (D5) Microtopographic Relief (D4)
Surface water present? Yes No Water table present? Yes No Saturation present? Yes No (includes capillary fringe) Descrive recorded data (stream gauge, monitoring well,	Depth (inches): Depth (inches): Depth (inches): Garrial photos, previous inspect	wetland hydrology present?
Remarks:		

VEGETATION - Use scientific names of plan	ts			Sampling Point:
				50/20 Thresholds
Tree Stratum Plot Size () 1 2 3	Absolute % Cover	Dominant Species	Indicator Staus	Tree Stratum Sapling/Shrub Stratum Herb Stratum Woody Vine Stratum
5 6 7 8 9 10 Sapling/Shurb Plot Size (Absolute	= Total Cover	Indicator	Dominance Test Worksheet Number of Dominant Species that are OBL, FACW, or FAC: Total Number of Dominant Species Across all Strata: Percent of Dominant Species that are OBL, FACW, or FAC: (A) (B)
Stratum 1	% Cover / \(\frac{1}{2}\)	Species	OBC	Prevalence Index Worksheet Total % Cover of: OBL species x 1 = x 1 = x 2 = x 2 = x 2 = x 3 = <t< td=""></t<>
Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 2 Herb Stratum Plot Size (,) 1 Typha angustifulia 4 Phalaris angustifulia 5 Herb Stratum Plot Size (,) 1 Typha angustifulia 1 Typha angustiful	Absolute % Cover	Dominant Species	Indicator Staus Staus	Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation Dominance test is >50% Prevalence index is ≤3.0* Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata:
12	Absolute % Cover	= Total Cover Dominant Species	Indicator Staus	Tree - Woody plants 3 in. (7.6 cm) or more in diameter a breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than 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.
3				Hydrophytic vegetation present?

SOIL							Sar	mpling Point:
								,
Profile Des	cription: (Desc	ribe to th	e depth needed	to docu	iment the	e indicate	or or confirm the absence	of indicators.)
Depth	Matrix		Red	dox Fea	itures		Texture	Remarks
(Inches)	Color (moist)	<u>%</u>	Color (moist)	% T	Type*	Loc**		
57 64	11.46.011	100		-	+	-	silt loam	
0-9	107/2//	100		-	+	+	5/// /vam	
				-	+	+		
9-14	54 4/2	95	101R516	-	1	m	31/+ 109n	
9-17	3/1/0	17.5	70116310	2		1		
		+		-	+			
10-00	27 2/9	90	104R 516	10	C	n	clau loan	
11 dt	3/3/2	70	10112310	10		1	100	
	· · · · · · · · · · · · · · · · · · ·	+		_	+			
		+		 	+			
		+		+	+			
*Type: C=C	Concentration [)=Deplet	ion RM=Reduc	ed Matr	ix. CS=C	Covered	or Coated Sand Grains	
**Location:	PL=Pore Lining	. M=Ma	rix		,			
	I Indicators:						Indicators for Prob	lematic Hydric Soils:
Bla Hy Str De Th Sa Sa Str Da	stic Epipedon (A lock Histic (A3) drogen Sulfide (latified Layers (A pleted Below D lick Dark Surface andy Mucky Mine andy Gleyed Mar andy Redox (S5) ipped Matrix (S ripped Matrix (Sr) 9B) of hydrophytic	(A4) A5) ark Suface e (A12) eral (S1) trix (S4) 6) (LRR R	Ce (A11)(LI	in Dark RR R, M amy Mu RR K, L amy Gle epleted edox Da epleted edox Da	eyed Ma Matrix (F rk Surface Dark Sur pression	(S9) 9B eral (F1) trix (F2) (3) ce (F6) face (F7) is (F8)	5 cm Mucky Per Dark Surface (S Polyvalue Below Thin Dark Surfa Iron-Manganese Piedmont Flood Mesic Spodic (T Red Parent Mat	v Surface (S8) (LRR K, L) ce (S9) (LRR K, L) e Masses (F12) (LRR K, L, R) plain Soils (F19) (MLRA 149B) TA6) (MLRA 144A, 145, 149B) erial (TF2) ark Surface (TF12) n Remarks)
Type:	Restrictive Layer (if observed): Type: Depth (inches): Hydric soil present?							
Remarks:								

Project/Site: West Bend Corporate (exposition of the site typical for Are vegetation , soil , or hydrology (If needed, explain any answers in remarks)	State: Section, Tocal relief (cooperation) Datum This time of the year 322 Mark 1 Significantly disturbed 1	NWI Classification: (If no, explain in remarks) Are "normal
SUMMARY OF FINDINGS	_	
Hydrophytic vegetation present? Hydric soil present? Wetland hydrology present?	Is the sampled area with	
Remarks: (Explain alternative procedures here or in a	separate report.)	
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Aquati Mark Aquati Aqu	-Stained Leaves (B9) c Fauna (B13) leposits (B15) gen Sulfide Odor (C1) ed Rhizospheres on Living (C3) nce of Reduced Iron (C4) t Iron Reduction in Tilled	Secondary Indicators (minimum of two required) 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) FAC-Neutral Test (D5) Microtopographic Relief (D4)
Field Observations: Surface water present? Water table present? Saturation present? Yes No Saturation present? Yes No (includes capillary fringe)	Depth (inches): Depth (inches): Depth (inches):	Wetland hydrology present?
Descrive recorded data (stream gauge, monitoring we	ll, aerial photos, previous inspec	tions), if available:
Remarks:		

VEGETATION - Use scientific names of plant	S			Sampling Point:
Tree Stratum Plot Size () 1 Acer Saccharum		Dominant Species	Indicator Staus FACU	50/20 Thresholds Tree Stratum Sapling/Shrub Stratum Herb Stratum Woody Vine Stratum
5 Ostrya virginiana			FACU	Dominance Test Worksheet Number of Dominant Species that are OBL, FACW, or FAC: Total Number of Dominant
Sapling/Shurb Plot Size ()		Total Cover Dominant Species	Indicator Staus	Species Across all Strata: (B) Percent of Dominant Species that are OBL, FACW, or FAC: (A/B)
Stratum ACLY SACCHAYUM FAS US STAND, FULIA 5 6 7 8 9	20		EAKU UPC	Prevalence Index Worksheet Total % Cover of: OBL species x 1 = FACW species x 2 = FAC species x 3 = FACU species x 4 = UPL species x 5 = Column totals (A) Prevalence Index = B/A =
Herb Stratum Plot Size ()		otal Cover Dominant Species	Indicator Staus	Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation Dominance test is >50%
Acer saccharum Fasus grandifulia Polygonatum biflorum Carex pennsylvanica	/0 /0 2		FACU UPL	Prevalence index is ≤3.0* Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
Ocircaea canadensis Alliaria Detiolata Ceranium Maculatum 14	5		FACU FACU	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 3.28 ft (1 m) tall.
Woody Vine Stratum Plot Size ()		Total Cover Dominant Species	Indicator Staus	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.
3 4 5		Total Cover		Hydrophytic vegetation present?
Remarks: (Include photo numbers here or on a sepa	arate sheet)			

SOIL							Sa	impling Point:
								() - () - ()
Profile Des	cription: (Descri	be to the	e depth needed t	to docur	ment the	indicate	or or confirm the absence	e of indicators.)
Depth	Matrix		Red	ox Feat	ures		Texture	Remarks
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**		
							1	
0-4	101/2 2/2	100					loan	
11 /	104/24/3	100					5,1+ /09m	
4-10	10 116 7/3	100			-			
					-			
					-		CC. 1 /200 ml 6	40 Stavel
10-21	705 MR 4/4	100			-		Sandy loan of 5	75574001
							/	0
*T.(20) C=0	Concentration D	=Denlet	ion RM=Reduce	ed Matri	x. CS=C	overed	or Coated Sand Grains	
**I postion:	PL=Pore Lining	M=Ma	trix					
		, IVI-IVIC	UIA .				Indicators for Pro	blematic Hydric Soils:
Hydric So	il Indicators:						maioatoro i i i i	
Histisol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) *Indicators of hydrophytic vegetation and weltand hydrology must be present, unless disturbed or problematic Coast Prairie Redox (A16) (LRR K, L, R) Dark Surface (S7) (LRR K, L, R) Dark Surface (S9) Coast Prairie Redox (A16) (LRR K, L, R) Dark Surface (S7) (LRR K, L, R) Dark Surface (S9) Coast Prairie Redox (A16) (LRR K, L, R) Dark Surface (S9) Coast Prairie Redox (A16) (LRR K, L, R) Dark Surface (S9) Coast Prairie Redox (A16) (LRR K, L, R) Dark Surface (S7) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 145) Mesic Spodic (TA6) (MLRA 144A, 145, 145) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Other (Explain in Remarks)								S7) (LRR K, L w Surface (S8) (LRR K, L) ace (S9) (LRR K, L) se Masses (F12) (LRR K, L, R) dplain Soils (F19) (MLRA 149B) (TA6) (MLRA 144A, 145, 149B) aterial (TF2) Dark Surface (TF12) in Remarks)
Restrictive Type: Depth (inc Remarks:	e Layer (if observenes):	red):					Hydric soil prese	ent? <u>//</u>

Slope (%): Lat.: Lon	State: Sampling Point: ## 6 We T Section, Township, Range: Sec. 26 TIIN R19 Vessing Designation (concave, convex, none): Concave
SUMMARY OF FINDINGS	
Hydrophytic vegetation present? Hydric soil present? Wetland hydrology present?	Is the sampled area within a wetland? If yes, optional wetland site ID:
	consists report \
Remarks: (Explain alternative procedures here or in a se Wetland Occupies depth	
HYDROLOGY	
Primary Indicators (minimum of one is required; check a Surface Water (A1) Water-S High Water Table (A2) Aquatic Saturation (A3) Marl De Water Marks (B1) Hydroge Sediment Deposits (B2) Oxidized Drift Deposits (B3) Roots (Carron Deposits (B5) Recent Iron Deposits (B5) Recent Inundation Visible on Aerial Soils (Carron Deposits (B7) Thin Mu	Stained Leaves (B9) Fauna (B13) Prosits (B15) Prosits (B15) Prosits (B15) Prosits (B16) Prosits (B16
Surface water present? Yes No No No Saturation present? Yes Yes No	Depth (inches):
Descrive recorded data (stream gauge, monitoring well, Remarks:	, aerial photos, previous inspections), if available:

VEGETATION - Use scientific names of plant	S			Sampling Point:
Tree Stratum Plot Size ()	Absolute % Cover	Dominant Species	Indicator Staus FAW	50/20 Thresholds 20% 50% Tree Stratum / / Sapling/Shrub Stratum / / Herb Stratum Woody Vine Stratum /
5 6 7 8 9 10 Sapling/Shurb Plat Size (Absolute	Total Cover	Indicator	Number of Dominant Species that are OBL, FACW, or FAC: Total Number of Dominant Species Across all Strata: Percent of Dominant Species that are OBL, FACW, or FAC: (A) (B)
Stratum 1 ACIV NES 4nds 2 3 Lonicera Loella 4 5 6 7 8 9 10	% Cover 90	Species	Staus FACW	Prevalence Index Worksheet Total % Cover of: OBL species x 1 = OBL species x 2 =
Herb Stratum Plot Size () I The hatiens capensis Alliaria petiolata Glyceria striata 6 7 8 9	Absolute % Cover	Dominant	Indicator Staus FACW	Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation Dominance test is >50% Prevalence index is ≤3.0* Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata:
11	70 =	Total Cover	Indicator	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 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Stratum Plot Size () 2 2 3 4 5	% Cover	Species	Staus	Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic vegetation
Remarks: (Include photo numbers here or on a sepa		Total Cover		present?

SOIL							Sa	impling Point:
Profile Des	cription: (Descr	ibe to the	e depth needed t	o docur	ment the	indicato	r or confirm the absenc	e of indicators.)
Depth	Matrix		Redo	ox Feat	ures		Texture	Remarks
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	TOALUTO	
0-21	104/2/1	100					Muck	
001	1-11-11	000						
		-						
		-			-			
		-						
		-						
					-			
*Type: C=C	Concentration D	=Depleti	on. RM=Reduce	d Matrix	x, CS=C	overed o	or Coated Sand Grains	
**Location	PL=Pore Lining	. M=Mat	rix					
	il Indicators:						Indicators for Pro	blematic Hydric Soils:
Histisol (A1) Hjstic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) *Indicators of hydrophytic vegetation and weltand hydrology must be present, unless disturbed or problematic 2 cm Muck (A10) (LRR K, L, MLRA 149B Coast Prairie Redox (A16) (LRR K, L, R) To Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L) Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)								Redox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R) S7) (LRR K, L w Surface (S8) (LRR K, L) ace (S9) (LRR K, L) se Masses (F12) (LRR K, L, R) dplain Soils (F19) (MLRA 149B) TA6) (MLRA 144A, 145, 149B) aterial (TF2) Dark Surface (TF12) in Remarks)
Restrictive Layer (if observed): Type: Depth (inches): Hydric soil present?							ent?	
Remarks:								

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region Bend Corporate (Phtercity/County A Sampling Date: Project/Site: State: Sampling Point: # Section, Township, Range: Sec. 26 T Applicant/Owner: Investigator(s): Local relief (concave, convex, none): Landform (hillslope, terrage, etc.) Slope (%): 620 Datum: Long. NWI Classification: home Ral Soil Map Unit Name Lacture Are climatic/hydrologic conditions of the site typical for this time of the year 3ec Hp++ (If no, explain in remarks) Are "normal significantly disturbed? or hydrology Are vegetation circumstances" present? naturally problematic? Are vegetation , soil , or hydrology (If needed, explain any answers in remarks) **SUMMARY OF FINDINGS** Hydrophytic vegetation present? Is the sampled area within a wetland? Hydric soil present? If yes, optional wetland site ID: Wetland hydrology present? Remarks: (Explain alternative procedures here or in a separate report.) located on hillslope that **HYDROLOGY** Secondary Indicators (minimum of two Primary Indicators (minimum of one is required; check all that apply) required) Surface Soil Cracks (B6) Water-Stained Leaves (B9) Surface Water (A1) Drainage Patterns (B10) Aquatic Fauna (B13) High Water Table (A2) Moss Trim Lines (B16) Marl Deposits (B15) Saturation (A3) Dry-Season Water Table (C2) Hydrogen Sulfide Odor (C1) Water Marks (B1) Oxidized Rhizospheres on Living Crayfish Burrows (C8) Sediment Deposits (B2) Saturation Visible on Aerial Imagery Roots (C3) Drift Deposits (B3) Presence of Reduced Iron (C4) (C9) Algal Mat or Crust (B4) Stunted or Stressed Plants (D1) Iron Deposits (B5) Recent Iron Reduction in Tilled Geomorphic Position (D2) Soils (C6) Inundation Visible on Aerial Shallow Aquitard (D3) Thin Muck Surface (C7) Imagery (B7) Other (Explain in Remarks) FAC-Neutral Test (D5) Sparsely Vegetated Concave Microtopographic Relief (D4) Surface (B8) Field Observations: Depth (inches) Wetland No Surface water present? hydrology No Depth (inches) Water table present? present? Depth (inches)

Descrive recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Saturation present? (includes capillary fringe)

Remarks:

GETATION - Use scientific names of p	plants			Sampling Point: /
	Absolute	Dominant	Indicator	20% 50%
Free Stratum Plot Size () % Cover	Species	Staus	Tree Stratum
	70 00401	Ореспес	01000	Sapling/Shrub Stratum
				Herb Stratum
				Woody Vine Stratum
				Dominance Test Worksheet
				Number of Dominant
				Species that are OBL,
				FACW, or FAC: / (A
				Total Number of Dominant
				Species Across all Strata:(B
		 Total Cover 		Percent of Dominant
				Species that are OBL,
Sapling/Shurb Blot Size /	Absolute	Dominant	Indicator	FACW, or FAC: (A
Stratum Plot Size (% Cover	Species	Staus	
D Latel	11)		11PL	Prevalence Index Worksheet
Ku Dus DCCIdollali		-	ul	Total % Cover of:
				OBL species x 1 =
			****	FACW species x 2 =
			-	FAC species $\sqrt{00} \times 3 = \sqrt{300}$
				FACU species / 0 x 4 = 40
				UPL species $\frac{12}{2} \times 5 = \frac{1}{60}$
				Column totals 122 (A) 400 (E
	-			Prevalence Index = B/A = 3, 27
				Trevalence made
	70	= Total Cover	-	
	/0	- Total Cover		Hydrophytic Vegetation Indicators:
	Absolute	Dominant	Indicator	Rapid test for hydrophytic vegetation
elect Stratum Plot Size (% Cover	Species	Staus	Dominance test is >50%
to a materia	100		T-AC	Prevalence index is ≤3.0*
100 1160000			-	Morphogical adaptations* (provide
Asclepia syriaca	2		TIPL	supporting data in Remarks or on a
Ascress syrica				separate sheet)
			A	Problematic hydrophytic vegetation*
Melilotus Officinalis	10		FIEL	(explain)
10101110111			-	*Indicators of hydric soil and wetland hydrology mus
				present, unless disturbed or problematic
				Definitions of Vegetation Strata:
				Tree - Woody plants 3 in. (7.6 cm) or more in diame
				breast height (DBH), regardless of height.
			-	Sapting/shrub - Woody plants less than 3 in. DBH
				greater than 3.28 ft (1 m) tall.
	772	= Total Cover		Herb - All herbaceous (non-woody) plants, regardle
				size, and woody plants less than 3.28 ft tall.
Woody Vine Plot Size (Absolute	Dominant	Indicator	
Stratum	% Cover	Species	Staus	Woody vines - All woody vines greater than 3.28 ft
				height.
			-	
				Hydrophytic
				vegetation
		= Total Cover		present? ///
marks: (Include photo numbers here or on a	separate sheet)			
,				

SOIL								Sampling Point:
								and of indicators \
Profile Desc Depth (Inches)			e depth needed Red Color (moist)	to docur ox Feat %	nent the ures Type*	Loc**	Texture	Remarks
0-4	101h 2/2	100					169m	
4-16	104R3/3	100					silt loan	
16-22	104/25/3	100					s:// /0am w/	10% grave 1
*Type: C=C	oncentration, D PL=Pore Lining	=Deplet	on, RM=Reduce	d Matrix	x, CS=C	overed	or Coated Sand Grain	s
	I Indicators:	1, 141 1416.					Indicators for P	roblematic Hydric Soils:
Hiss Hiss Bla Hyd Str De Thi Sa Sa Str Da	tisol (A1) tic Epipedon (Al ck Histic (A3) drogen Sulfide (atified Layers (A pleted Below Da ck Dark Surface ndy Mucky Mine ndy Gleyed Mat ndy Redox (S5) ipped Matrix (S6 rk Surface (S7) 9B) of hydrophytic v	A4) A5) ark Suface (A12) eral (S1) rix (S4) 6) (LRR R,	CE (A11) (LF Los De) Rec (A11) Rec MLRA	i) (LRR in Dark S RR R, M iamy Muc RR K, L) iamy Gle pleted M dox Darl pleted D dox Dep	yed Mati Matrix (F3 k Surfac Park Surf Pressions	A 149B) (S9) (S9) (FB) (F1) (F2) (S) (F2) (F3) (F6) (F6) (F6) (F7) (F8)	5 cm Mucky Dark Surface Polyvalue Be Thin Dark Su Iron-Mangan Piedmont Fle Mesic Spodi Red Parent I Very Shallov	e Redox (A16) (LRR K, L, R) Peat or Peat (S3) (LRR K, L, R) e (S7) (LRR K, L elow Surface (S8) (LRR K, L) urface (S9) (LRR K, L) nese Masses (F12) (LRR K, L, R) boodplain Soils (F19) (MLRA 149B) c (TA6) (MLRA 144A, 145, 149B) Material (TF2) v Dark Surface (TF12) sin in Remarks) r problematic
Restrictive Type: Depth (inch	Layer (if observ	/ed):			-		Hydric soil pre	sent?
Remarks:								

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region West Bend Corporate Centercity/County Sampling Date: Project/Site: State: Sampling Point: ##
Section, Township, Range: Sec. 26 TIIN Applicant/Owner: Investigator(s): Wettqua Clepressinal Desil Local relief (concave, convex, none): Landform (hillslope, terrage, etc.): Slope (%): 5 Datum: NWI Classification: Soil Map Unit Name Are climatic/hydrologic conditions of the site typical for this time of the year report (If no, explain in remarks) Are "normal → or hydrology / significantly disturbed? soil Are vegetation naturally problematic? /\/ , or hydrology circumstances" present? Are vegetation , soil (If needed, explain any answers in remarks) **SUMMARY OF FINDINGS** Is the sampled area within a wetland? Hydrophytic vegetation present? Hydric soil present? If yes, optional wetland site ID: Wetland hydrology present? Remarks: (Explain alternative procedures here or in a separate report.) **HYDROLOGY** Secondary Indicators (minimum of two Primary Indicators (minimum of one is required; check all that apply) required) Surface Soil Cracks (B6) Water-Stained Leaves (B9) Surface Water (A1) Drainage Patterns (B10) Aquatic Fauna (B13) High Water Table (A2) Moss Trim Lines (B16) Marl Deposits (B15) Saturation (A3) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery Drift Deposits (B3) (C9) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Iron Deposits (B5) Recent Iron Reduction in Tilled Geomorphic Position (D2) Inundation Visible on Aerial Soils (C6) Shallow Aquitard (D3) Thin Muck Surface (C7) Imagery (B7) FAC-Neutral Test (D5) Other (Explain in Remarks) Sparsely Vegetated Concave Microtopographic Relief (D4) Surface (B8) Field Observations: Wetland No Depth (inches) Surface water present? No Depth (inches) hydrology Water table present? present? Saturation present? Depth (inches) (includes capillary fringe) Descrive recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

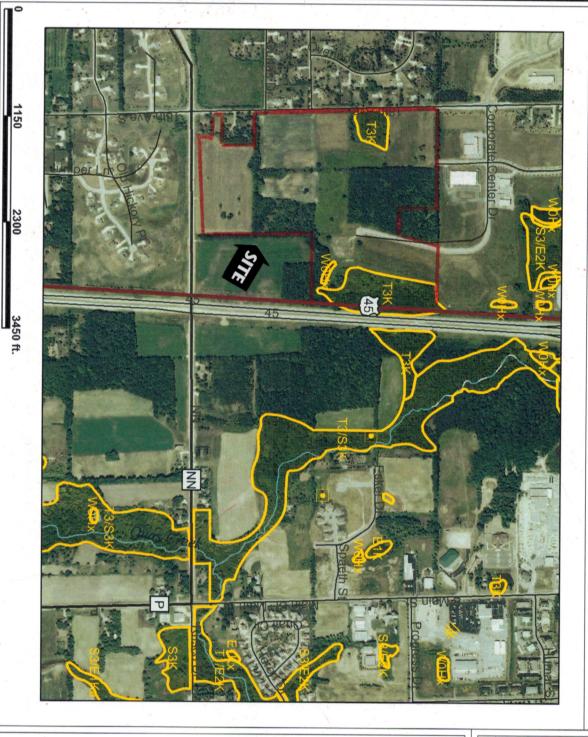
Wetland occupies a shallow depressional basin

EGETATION - Use scientific names of pla	31113			
Tree Stratum Plot Size ()	Absolute % Cover	Dominant Species	Indicator Staus	Sampling Point: 50/20 Thresholds 20% 50% Tree Stratum Sapling/Shrub Stratum Herb Stratum
Frazinhs pennsylvanica	70		FACW	Dominance Test Worksheet Number of Dominant
7 8 9 0	65	= Total Cover		Species that are OBL, FACW, or FAC: Total Number of Dominant Species Across all Strata: Percent of Dominant
Sapling/Shurb Plot Size () Stratum	Absolute % Cover	Dominant Species	Indicator Staus FACW	Species that are OBL, FACW, or FAC: Prevalence Index Worksheet
1 Acer negando 2 3 Diburnum lentaso 4 5 6 7 8 9	75		T-AC	Total % Cover of: OBL species
0	Absolute % Cover	Total Cover Dominant Species	Indicator Staus	Hydrophytic Vegetation Indicators: Bepid test for hydrophytic vegetation Dominance test is >50%
The Turis arundinacea	20		FACW	Prevalence index is ≤3.0* Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
9				Definitions of Vegetation Strata:
1 2 3				Tree - Woody plants 3 in. (7.6 cm) or more in diameter breast height (DBH), regardless of height.
5	80	= Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of
Woody Vine Stratum Plot Size ()	Absolute % Cover	Dominant	Indicator Staus	size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height.
2	5	= Total Cover	7.3000	Hydrophytic vegetation present?
emarks: (Include photo numbers here or on a se	eparate sheet)			

SOIL							Sa	ampling Point:
Destis Des	intian (Dogori	ha ta th	denth needed	to docur	ment the	indicato	r or confirm the absenc	e of indicators.)
Depth (Inches)	Matrix Color (moist)	%	Red Color (moist)	ox Feat	ures Type*	Loc**	Texture	Remarks
0-20	10412/1	100					Muck	
								i i
*Type: C=C **Location:	Concentration, D: PL=Pore Lining,	=Depleti M=Mat	on, RM=Reduce rix	d Matrix	x, CS=C	overed o	r Coated Sand Grains	
/	I Indicators:							blematic Hydric Soils:
Histisol (A1) Histisol (A2) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B *Indicators of hydrophytic vegetation and weltand hydrology must be present, unless disturbed or problematic 2 cm Muck (A10) (LRR K, L, MLRA 149B Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LR K, L) Coast Prairie Redox (A16) (LR K, L) Coast Prairie Redox (A12) Coast Prairie Redox (A12) Coast Prairie Redox (A16) (LRR K, L) Coast Prairie Redox (A12) Coast Prairie Redox (A16) (LRR K, L) Coast Prairie Redox (A16) (LRR K, L) Coast Pa							Redox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R) S7) (LRR K, L w Surface (S8) (LRR K, L) ace (S9) (LRR K, L) se Masses (F12) (LRR K, L, R) dplain Soils (F19) (MLRA 149B) TA6) (MLRA 144A, 145, 149B) aterial (TF2) Dark Surface (TF12) in Remarks)	
Restrictive Layer (if observed): Type: Depth (inches): Hydric soil present?								
Remarks:								



Map Created on May 22, 2012





Legend

Major Highways Interstate

Interstate
State Highway
U.S. Highways
County Roads

✓ Local Roads

DNR Wetland Poin

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

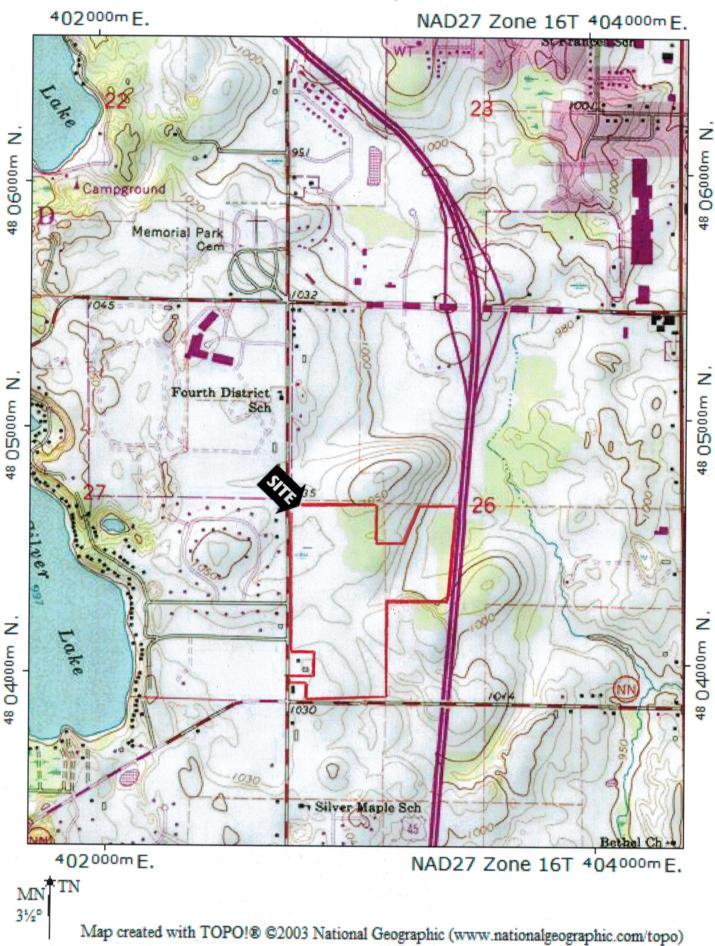
24K Open Water 24K Rivers and Shorelines

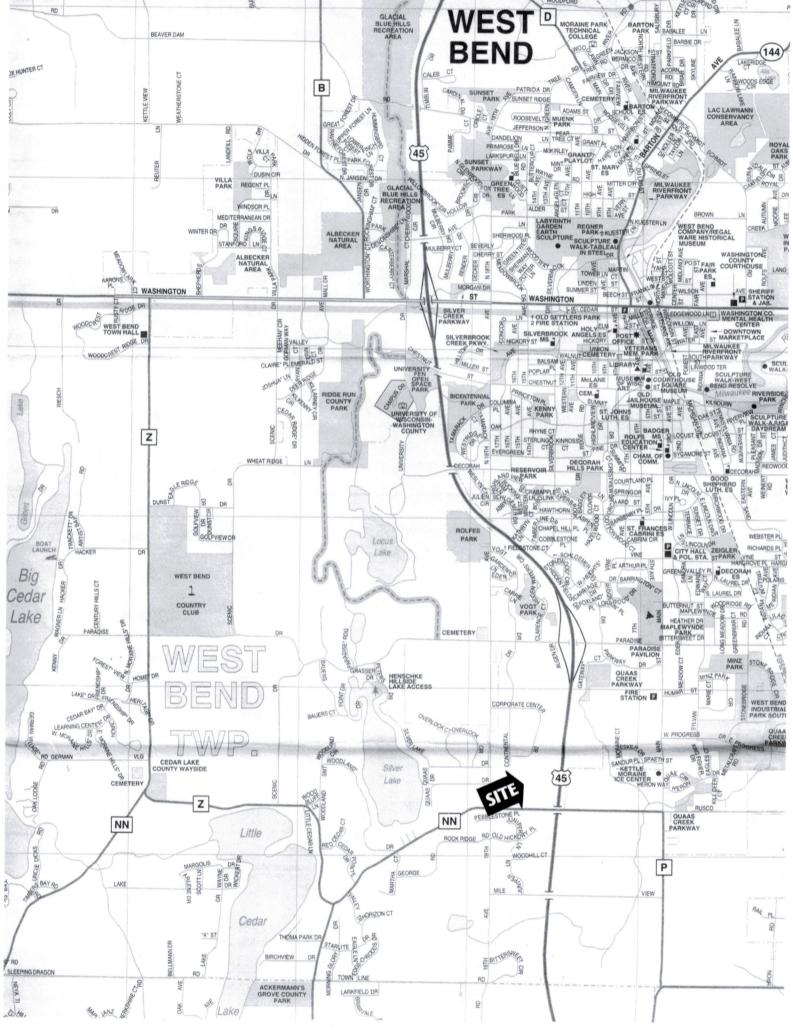
Intermittent Fluctuating

→ Perennial

Scale: 1:11,959

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DATE REV DESCRIPTION DESCRIPTION DATE REV: