# Dane County Rezone & Conditional Use Permit

Application Date	Petition Number
08/16/2017	DCPREZ-2017-11202
Public Hearing Date	C.U.P. Number
10/24/2017	

0	WNER INFORMAT	ION	1	AGENT INFORMA	TION
OWNER NAME PHILIP C ICKE		PHONE (with Area Code) (608) 698-2316	AGENT NAME		PHONE (with Area Code)
BILLING ADDRESS (Numbe 8237 SWEENEY RI			ADDRESS (Number & Stre	eet)	
(City, State, Zip) BARNEVELD, WI 5	3507		(City, State, Zip)		
E-MAIL ADDRESS PHILI222@AOL.CO	DM		E-MAIL ADDRESS		
ADDRESS/L	OCATION 1	ADDRESS	S/LOCATION 2	ADDRES	S/LOCATION 3
ADDRESS OR LOCATI	ON OF REZONE/CUP	ADDRESS OR LOCA	ATION OF REZONE/CUP	ADDRESS OR LOC	CATION OF REZONE/CUP
SOUTHERN TERM WAUBESA AVE	INUS OF				
TOWNSHIP DUNN	SECTION 8	TOWNSHIP	SECTION	TOWNSHIP	SECTION
PARCEL NUMBI	ERS INVOLVED	PARCEL NUM	BERS INVOLVED	PARCEL NU	MBERS INVOLVED
0610-083	3-8093-1				
RE	ASON FOR REZONI		1847 1.414 50	CUP DESCRIPT	TON
FROM DISTRICT:	TO DIST	RICT: ACRES	DANE COUNTY	CODE OF ORDINANCE	SECTION ACRES
R-3 Residence Distr	rict CO-1 Conser District	vancy .78			
C.S.M REQUIRED?	PLAT REQUIRED?	DEED RESTRICTION REQUIRED?	INSPECTOR'S INITI	ALS SIGNATURE:(Ow	rner or Agent)
Yes No	Yes No	Yes No	H IH3	PRINT NAME	old d
				PhiL DATE:	IPC. ICK
				8/16	117

Form Version 03.00.03

Petition #	Public Hearing Date 10 2417
Application  Application filled out and signed  Metes and bounds description  Scaled map  Letter of intent  If commercial, plan showing proposed	l improvements (building, parking, landscape)
2. Zoning District fits the proposed land of 2. Zoning District fit the proposed and re 3. Proposed lot meet the minimum width 4. Do the existing structures meet the se 5. Do the existing structures meet the he 6. Do the existing (proposed) structures 7. Do the Accessory structures meet the 8. Existing building heights conform to 6. Shoreland, Wetland, Flood plain issue 10. Steep slope issues?  11. Commercial parking standards met?  12. Screening requirements met?  13. Outside lighting requirements?	emaining lots (s)?  I and area requirements? Yes / No  Estbacks for the District? Yes / No  Eight limitations? Yes / No  meet the lot coverage? Yes / No  Exprincipal structure ratio? Yes / No  Sistrict? Yes / No
Comments:	
Planning Review	
<ul><li>2. Determination of Legal Status</li><li>3. In compliance with Town plan?</li></ul>	Yes / No SplitsYes / No Yes / No Yes / No
Comments:	3 *
C. C	

Contacts / Correspondence: (date: issue)





### **Zoning Change Application**

Zoning Division Room 116, City-County Building 210 Martin Luther King Jr. Blvd. Madison, Wisconsin 53703-3342 Phone: (608) 266-4266

Fax: (608) 267-1540

Items that must be submitted with your application:

- Written Legal Description of the proposed Zoning Boundaries
   Legal description of the land that is proposed to be changed. The description may be a lot in a plat,
   Certified Survey Map, or an exact metes and bounds description. A separate legal description is required for each zoning district proposed. The description shall include the area in acres or square feet.
- Scaled Drawing of the location of the proposed Zoning Boundaries
   The drawing shall include the existing and proposed zoning boundaries of the property. All existing buildings shall be shown on the drawing. The drawing shall include the area in acres or square feet

Address Phone  Email  GG10-083-80  RIGE TOWN OF TULK  CFF WALBESA AU  LI BEALST AND 2774  — % Class II soils:	WAUSESA ST
Email  OG10-083-80  RIGE TOWN OF TUN  OFF WAUBESA AU  U BEALST AND 2774	WAUSESA ST
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mer of the property	e: 8-15-2017
	m, time schedule)

## Wetland Delineation Report

### **Icke Property**

### Town of Dunn, Dane County Wisconsin

August 27th, 2014

### Prepared for:

Mr. Phil Icke 8237 Sweeney Rd. Barneveld, WI. 53507 (608) 698-2316

### Prepared by:

Mr. Scott O. Taylor Taylor Conservation, LLC 3856 Schneider Dr. Stoughton, WI. 53589 (608) 444-7483



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### Wetland Delineator Qualifications

Scott Taylor holds a Master of Science degree in Forest Ecology and Management from the University of Wisconsin-Madison (1999). Taylor has attended the "Critical Methods in Wetland Delineation" training course annually since 2006. Taylor is an **Assured Wetland Delineator** under Wisconsin Department of Natural Resources guidelines. Taylor also completed the following courses that prepared him for performing wetland determinations and delineations in Wisconsin using the Army Corps of Engineers 1987 Manual Method:

- Wetland Plant Identification (July 2003, Delafield, WI. Biotic Consultants, Inc.)
- Basic Wetland Delineation Training (August 2003, Wisconsin Rapids, WI. UW La Crosse Continuing Education/Extension)
- ➤ Advanced Wetland Delineation Training (August 2006, Cable, WI. & July 2012, LaCrosse, WI UW La Crosse Continuing Education/Extension)

### Introduction

On August 11<sup>th</sup> of 2014, Scott Taylor of Taylor Conservation, LLC performed a wetland determination and delineation on the Icke property in the Town of Dunn, Dane County, Wisconsin (Figure 1). The property, which was a vacant residential parcel of approximately 1 acre on the shores of Lake Waubesa, consisted primarily of mowed turf and scattered trees. However there were areas of thick brush within two depressions and along the shoreline. The depressions and a narrow fringe of low-lying land on the shoreline were found to be wetlands (Figure 2).

A small (< 250 square feet) portion of one of the depressions (see Figure 2) was recently filled with organic debris without authorization from the Wisconsin Department of Natural Resources, Army Corps of Engineers or Dane County. The landowner reported this to Ms. Wendy Peich of WDNR and he plans to remove the organic debris from the wetland promptly.

Mr. Icke ordered a wetland delineation to plan for future use of the property. A total of approximately 0.3 acre of wetland was delineated. The site is in Section 8 (NESW) T6N, R10E.

The purpose of this report is to explain the results of the wetland delineation and to describe the features of the wetlands and non-wetlands (uplands) in the project area.

### Methods

The following reference materials were reviewed prior to performing fieldwork:

- 1) Natural Resource Conservation Service, Soil Survey.
- Wisconsin Wetland Inventory maps (WDNR Surface Water Data Viewer Wetlands Theme).

- 3) U.S.G.S. 7.5 minute topographical map, Rutland Quadrangle.
- 4) Natural Resource Conservation Service, hydric soils list for Dane County.

The wetland determinations and the delineations followed the procedures for the Routine Method set forth in <u>The Corps of Engineers Wetlands Delineation Manual</u> (US Army Corps of Engineers 1987) and <u>Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northeast & Northcentral Region</u>. They also followed the methods set forth in the <u>Basic Guide to Wisconsin Wetlands and their Boundaries</u> (WI Dept. of Administration 1995).

### Method of Data Collection

Vegetation, hydrology and soil information were gathered in sample plots and recorded on USACE data sheets. At each plot, a plot center was established and the presence or absence of normal circumstances or disturbances was noted. Next, herbaceous vegetation was sampled within a circular 5-foot radius plot. After that, vines, shrubs and trees were sampled within a circular 30-foot radius plot, centered on the herbaceous plot. Next, an 18 inch-deep soil pit was dug at the plot center. The presence or absence of hydrology indictors in the soil pit and within the surrounding 30-foot circular plot was noted. Finally, the soil profile in the pit was examined and described. A determination was then made as to whether the site was wetland or upland.

### Location of Transects

Sample plots were located inside of areas that appeared to have potential to be wetlands. If the sample plot data suggested that the location was inside of a wetland, a second plot was placed in an upslope location with a different plant community. If data collected at this plot suggested that the location was inside of the upland, no further plots were sampled. Otherwise, the process was repeated. A total of 7 plots were sampled, 4 inside of wetlands and 3 on the uplands (Figure 2). Sample plots were marked with red wire-stake flags.

### Procedure for Locating Wetland Boundaries

The wetland boundaries were located by observing increases in elevation and changes in plant community composition. The presence of healthy, dominant populations of upland plants, such honeysuckle (*Lonicera X bella*-FacU) or black walnut (*Juglans nigra*-FacU), as one moved upslope, away from the wetland, was often considered a reliable indicator of the wetland boundary.

### Results and Discussion

### Regional Geology & Soils

The geology of the surrounding region consists of glacial deposits, primarily outwash plains, ground moraines and old glacial lakebeds. The land surfaces are gently sloping in the higher areas, which are ground moraine, and nearly level in low-lying areas, which are outwash plains and old lakebeds. Soils that formed in ground moraines have silt loam and silty clay loam surface layers underlain by sandy loam material. Soils that formed in glacial outwash have silt loam and silty clay loam surface layers underlain by sand and gravel. Soils that formed in lakebeds have silt loam surface layers underlain by silty clay and clay.

Wetland in this landscape forms in extensive low-lying areas lacking drainage outlets, in closed depressions, in drainageways and on the margins of streams, rivers and lakes.

#### Wetlands

#### Overview of Wetlands & Wetland Boundary Characteristics

The wetlands were partially wooded, brushy habitats occupying a narrow strip of low-lying land on the lake fringe and two low depressions (Figure 2). The lake fringe wetland was a Wet Meadow community type; the depression wetlands were Shrub Carr communities.

The wetland boundaries occurred along short, steep embankments and were therefore abrupt. There were no sharp vegetative transitions observed at the boundaries, but the distribution of the upland plants, honeysuckle and black walnut, followed the boundaries closely.

### Wetland Vegetation

The wetlands were dominated by hydrophytic plants. The lake fringe wetland contained ground layer vegetation heavily dominated by reed canary grass (*Phalaris arundinacea*-FacW); however riverbank grape (*Vitis riparia*-Fac), ground nut (*Apios Americana*-FacW) and bitter nightshade (*Solanum dulcamara*-Fac) were noted in smaller abundances. The lake fringe wetland contained shrubs and trees of high-bush cranberry (*Viburnum opulus*-FacW), box elder (*Acer negundo*-Fac), green ash (*Fraxinus pennsylvanica*-FacW) and black willow (*Salix nigra*-Obl).

The depressions were dominated by shrubs and saplings, including red osier dogwood (*Cornus alba*-FacW), wild black currant (*Ribes americanum*-FacW), green ash and black willow. No ground layer herbs or grasses were noted in the depressions, probably due to heavy shade cast by saplings and shrubs.

The west depression was recently partially cleared of brush, and therefore contained openings that were completely empty of vegetation.

### Wetland Hydrology

The wetlands' chief water source is a high water table established by the level of nearby Lake Waubesa. Surface water runoff from the uplands is a minor source of water as well. The wetlands probably remain saturated for a large part of the growing season in most years. The presence of organic soil, which indicates slow decomposition due to wet conditions, in the depressions points to long, frequent periods of saturation.

Precipitation for the 3 months preceding the fieldwork was variable:

### USDA Field Office Climate Data - WETS Station: Madison, WI, Dane Co. Regional Airport.

	30% chance w (inches)	vill have precipitation		
	less than:	more than:	2014 precipitation:	
May	2.05	3.92	3.47	Normal
June	2.36	4.92	9.55	Wet
July	2.88	4.62	1.08	Dry

At least one primary hydrology indicator ("Saturation", "High Water Table", "Water Stained Leaves") was observed in all wetland sample plots. In addition, at least two of the secondary hydrology indicators, "Geomorphic Position", "FAC Neutral Test" or "Dry Season Water Table", were noted in each wetland sample plot. The plots showed "Geomorphic Position" due to their landscape positions in low-lying areas, close to the level of nearby Lake Waubesa, where prolonged saturation and/or inundation was likely.

#### Wetland Soils

The Natural Resource Conservation Service-mapped soil of the wetland is Granby loamy sand (Gn; Figure 4). Granby soil is classified as a poorly drained soil by the NRCS. It is listed as a hydric soil for Dane County. It forms in sandy glacial deposits on low-lying landforms influenced by a high water table or frequent flooding. Typical soil profiles of Granby consist of loamy sand surface layers underlain by deep sand.

The field-observed wetland soils in the depressions consisted of muck underlain by peaty muck. The soils on the lake fringe consisted of black or dark brown (10 YR 2/1, 2/2) sandy loam surface layers underlain by dark brown or dark grey (10 YR 3/1) loamy sand.

Wetland plots in the depression (1A, 2C) showed the hydric soil indicator, "Histisol" (A1). Wetland plots on the lake fringe (1C, 2A) did not show hydric soil indicators but professional judgment was used to assume the soils were hydric based on the vegetation, hydrology and landscape position indicators.

### Wisconsin Wetland Inventory

The Wisconsin Wetlands Inventory (W.W.I.) does not identify wetlands in the investigation area. However it identifies aquatic bed wetlands (A1/3L) in the shallows of Lake Waubesa adjoining the lake fringe wetland (Figure 5).

### Uplands

The uplands were the high-lying areas that consisted predominantly of turf grass, which was mowed, and scattered large trees but also of thick brush along the lakeshore (Figure 2).

### Upland Vegetation

Upland ground layer vegetation was dominated by Kentucky blue grass (*Poa pratensis*-FacU) but also contained dandelion (*Taraxacum officinale*-FacU) and creeping charlie (*Glechoma hederacea*-FacU) in smaller amounts. Common shrubs and trees were honeysuckle (*Lonicera X bella*-FacU), high-bush cranberry, black willow, cottonwood (*Populus deltoides*-Fac), box elder and green ash.

#### Upland Hydrology

No hydrology indicators were noted in any of the upland sample plots. All parts of the uplands were moderately to well-elevated above the wetlands.

Upland sample plot 3 was located in a relatively low area where water could collect. However, it was still well elevated above the nearby wetland depression. In addition the absence of wetland soil or hydrology indicators in plot 3 strongly suggested this area was non-wetland.

#### Upland Soils

The Natural Resource Conservation Service-mapped soil of the upland is the same as the wetland, Granby loamy sand (Gn; Figure 4).

The field-observed upland soils consisted of dark brown (10 YR 3/2) sandy loam or silt loam surface layers underlain by lighter-colored, high chroma (10 YR 4/3, 4/4) loamy sand or sandy loam. No hydric soil indicators were noted in the upland sample plots.

### Conclusion

The wetland boundary marked in the field is the best estimate of the location of the boundary based on the available vegetation, hydrology and soil evidence on August 11<sup>th</sup> of 2014. Wetland boundaries can change over time with changes in vegetation, precipitation, or regional hydrology. The US Army Corps of Engineers and/or the Wisconsin Department of Natural Resources have authority to make the final decision regarding the wetland boundary. Personnel from these agencies may adjust the boundary upon field inspection.

Activities within or close to the delineated wetland boundaries generally require permits from the Army Corps of Engineers, WDNR or local authorities. If the client proceeds with any work within or close to the delineated wetland boundaries without authorization or permits from the appropriate regulatory authorities, Scott Taylor or Taylor Conservation LLC shall not be responsible or liable for any resulting damages.

Scott Taylor is an Assured Wetland Delineator under Wisconsin Department of Natural Resources guidelines (<a href="http://dnr.wi.gov/topic/wetlands/assurance.html">http://dnr.wi.gov/topic/wetlands/assurance.html</a>). Taylor's wetland delineations are considered dependable by the WDNR for purposes of Wisconsin wetland and waterway permits, shoreland-wetland zoning or other state-mandated local wetland programs. Therefore Taylor's clients do not require concurrence letters from WDNR before project planning or permit applications that are based on Taylor's wetland delineations. However, concurrence from the Army Corps of Engineers is still necessary. The WDNR and Army Corps have final authority over wetlands in Wisconsin. They may adjust Taylor's wetland boundaries. Assurance does not change decisions about wetland fill. Assurance is not a guarantee of accuracy or relief from landowner responsibility in the event an error occurs and wetlands are filled. While it is unlikely for a professional whose work is assured, inadvertent wetland fill that may result from errors must be remedied.

### References

Hurt, G.W. & Vasilas, L.M. 2010. <u>Field Indicators of Hydric Soils in the United States: A Guide for Identifying and Delineating Hydric Soils, Version 7.0</u>. Natural Resource Conservation Service, United States Department of Agriculture.

US Army Corps of Engineers, State of Wisconsin-Nation Wetland Plant List Final Draft Ratings, Cold Regions Research & Engineering Laboratory (CRREL).

US Army Corps of Engineers, Waterways Experiment Station. 1987. Corps of Engineers Wetlands Delineation Manual. Wetlands Research Program Technical Report Y-87-1.

USDA, Natural Resource Conservation Service. 1997. Hydrology Tools for Wetland Determination. Part 650. Engineering Field Handbook.

Wisconsin Department of Administration, Coastal Management Program. 1995. <u>Basic Guide to Wisconsin's Wetlands and their Boundaries.</u>

Figures

Figure 1: Landscape Overview Map.

Source: Wisconsin Department of Natural Resources.

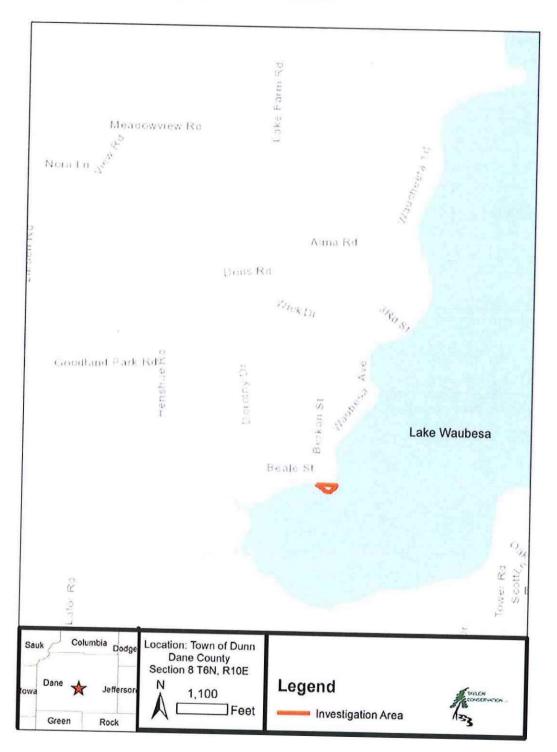


Figure 2: Investigation Area, Wetlands & Sample Plots.

Source: Wisconsin Regional Orthophotography Consortium, Spring 2010.

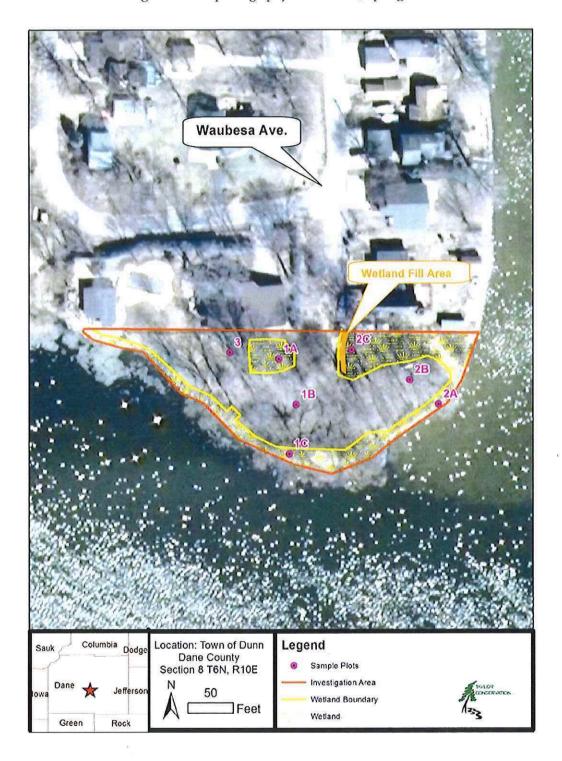


Figure 3: Topography.

Source: U.S.G.S. 7.5 Minute Topographical Map, Rutland Quadrangle.

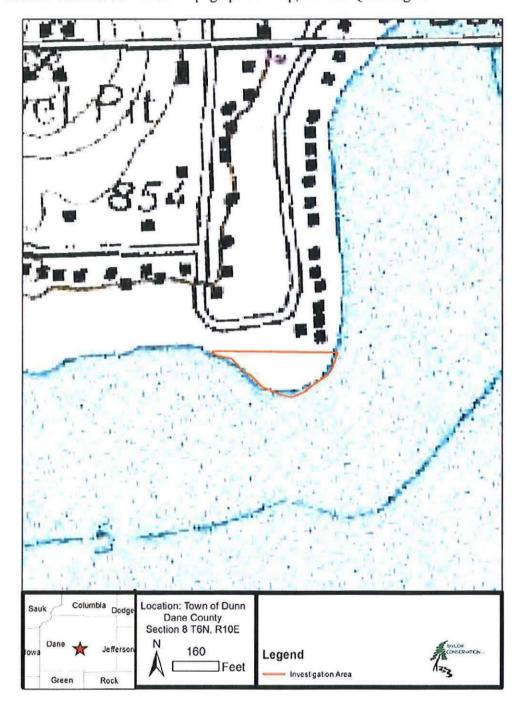


Figure 4: Soils.

Source: Natural Resource Conservation Service.

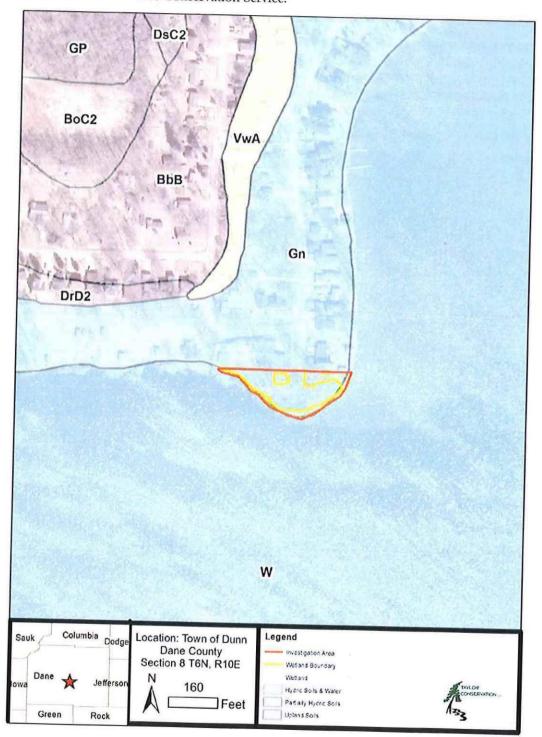
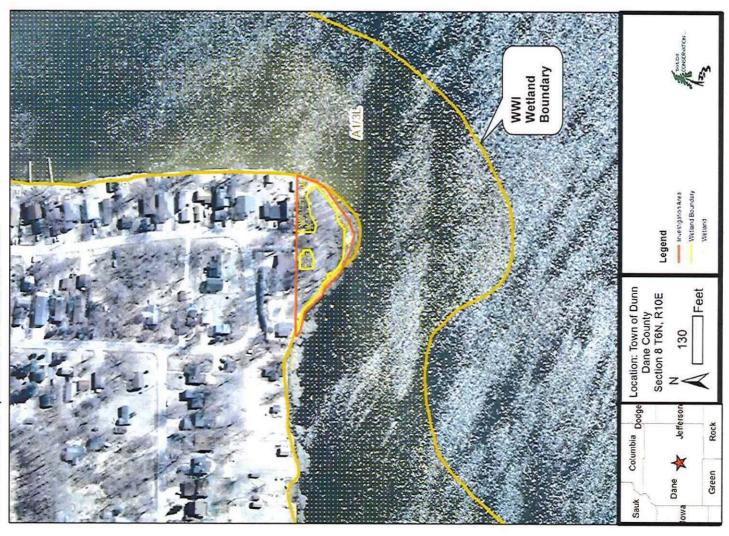


Figure 5: Wisconsin Wetland Inventory Map. Source: Wisconsin Department of Natural Resources.



### Appendix I: Site Photos

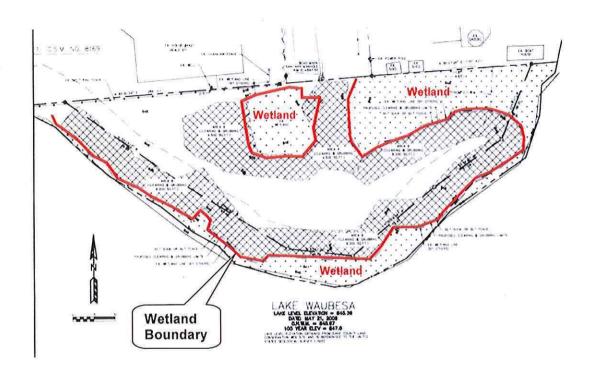








### Appendix II: Survey Map



Appendix III: Data Sheets

Soil Map Unit Name: Granby loamy s Are climatic hydrologic conditions of the	and (Gn) site typical for this t , or hydrology , or hydrology	signifi	State: Wi Section, Townshi Local relief (concave V Datum:	p, Range: , convex, none): UTM 16N WWI Class/scation: (If no, explain in rem	g Point: 1A Section 8 (NESVI), T6N, R10E Concave None	
SUMMARY OF FINDINGS						
Hydrophytic vegetation present? Hydric soil present? Wetland hydrology present?	Yes Yes Yes		pled area within a wet ional wetland site ID:	land? Ye		
Remarks: (Explain alternative procedure Precipitation in the 3 months preceding t Regional Airport. There was no rain 6 da vegetation was significantly disturbed) si	he fieldwork was va ys prior to the field:	eriable (May-Nor work but there wa	as nearly 2" of rain on	ry) according to NOAA on one day 7 days prior to th	line weather data & USDAWETS data for Madison, Dane Co. e feldwork. Normal circumstances were not present (and the	
VEGETATION - Use scientific nar	nes of plants	1000 J.On. 1002	10 EP	XX 1980 NX		#10100 1/2020VI
Tree Stratum Plot Size (	314 sf )	Absolute % Cover	Dominant Species	Indicator Staus	Tree Stratum Saping/Shrub Stratum	0% 50% 0 0 15 38 0 0
3		CONTRACTOR CONTRACTOR	111111111111111111111111111111111111111		Woody Vine Stratum	0 0
			000007447499444741494 1000007447494447474747		Dominance Test Worksheet	
8 9 10	***************************************			10000000000000000000000000000000000000	Number of Dominant Species that are OBL, FACW, or FAC:	1 (A)
(******)   1-0000   100 *****************************			Total Cover		Total Number of Dominant Species Across all Strata:	1 (B)
Sapling/Shurb Stratum Plot Size (  1 Cornus a ba	314 sf )	Absolute % Cover 75	Dominant Species Yes	Indicator Staus FacW	Percent of Dominant Species that are OBL, FACW, or FAC:	100% (A/B)
3	######################################	AVEN TELEVISION	577-0071-00320-202	5245-52-00000000000000000000000000000000	Prevalence Index Worksheet Total % Cover of: OBL species x 1 =	0
6 7 8					FACW species 75 x 2 = FAC species x 3 = FACU species x 4 =	150 0 0
9 10			Total Cover	A MORTANIA AND A STATE OF THE S	UPL species x 5 =  Column totals 75 (A)  Prevalence Index = B/A =	0 150 (B) 2
Herb Stratum Plot Size (	78.5 sf )	Absolute % Cover	Dominant Species	Indicator Staus	Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation X Dominance test is >50%	
3			***************************************	1 mag 20 CA (18 CA)	Prevalence index is \$3.0°	
5		702000000000000000000000000000000000000			Morphogical adaptations' (provide supporting data in separate sheet)	Remarks or on a
7 8 9		***********		154504104515555 =1645045(40045)	Problematic hydrophytic vegetation* (explain)	
10 11 12		A02010000000000000000000000000000000000	· Total Cover	**************************************	"Indicators of hydric soil and wetland hydrology must be present, or problematic	unless disturbed
Woody Vine Stratum Plot Size (	314 sf )	Absolute % Cover	Dominant Species	Indicator Staus		
3 4 5		30.000000000		=======================================		
Remarks: (Include photo numbers here		0 =	Total Cover	*********	Hydrophytic vegetation present? Yes	

	20 FEET 11 - 20	
	CONTRACTOR OF THE PROPERTY OF	
	Loc** Texture	Remarks
None	Muck	
None	Mucky peat	**************************************
1000000		
M=Reduced Matrix, CS=Covered or Coated Sand Gr	ains "Lo	cation: PL=Pore Lining, M=Matrix
	Indicators for Problema	tic Hydric Solis*:
	2 cm Muck (A10	) (LRR K, L, MLRA 149B
Polyvalue Below Surface (S8) (LRR R, MLRA	149B) Coast Prairie Re	edox (A16) (LRR K, L, R)
		at or Peat (S3) (LRR K, L, R)
Thin Dark Surface (S9) (LRR R, MLRA 149B	Dark Surface (S	7) (LRR K, L
	Polyvalue Belov	v Surface (S8) (LRR K, L)
Loamy Mucky Mineral (F1) (LRR K, L)		ce (S9) (LRR K, L)
		Masses (F12) (LRR K, L, R)
		plain Soils (F19) (MLRA 149B)
	Mesic Spodic (T	A5) (MLRA 144A, 145, 149B)
Depleted Dark Surface (F7)	Red Parent Mat	erial (TF2)
Redox Depressions (F8)	Very Shallow Da	ark Surface (TF12)
	Other (Explain i	n Remarks)
weltand hydrology must be present, unless disturbed	for problematic	
5091		
one	Mudde collect	sent? Yes
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quired; check all that apply)		Secondary Indicators (minimum of two require
quired; check all that apply)  X Water-Stained Leaves (89)		Surface Soil Cracks (B6)
X Water-Stained Leaves (B9) Aquato Fauna (B13)	<u>\$</u>	Surface Soil Cracks (B6) Drainage Patterns (B10)
X Water-Stained Leaves (B9) Aquato Fauna (B13) Marl Deposits (B15)		Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16)
X Water-Stained Leaves (B9) Aquato Fauna (B13)		Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) C Dry-Season Water Table (C2)
X Water-Stained Leaves (B9) Aquatic Fauna (B13) Mart Deposits (B15) Hydrogen Suffde Odor (C1)	3	Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16)
X Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Suffde Odor (C1) Oxidzed Rhizospheres on Living Roots (C3)	3	Surface Sol Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) C Dry-Season Water Table (C2) Crayfish Burrows (C8)
X Water-Stained Leaves (B9) Aquatic Fauna (B13) Mart Deposits (B15) Hydrogen Suffde Odor (C1)	3	Surface Soil Cracks (B8) Orainage Patterns (B10) Moss Trim Lines (B16) Ony-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
X Water-Stained Leaves (B9) Aquatic Fauna (B13) Mart Deposits (B15) Hydrogen Suffde Odor (C1) Oxidzed Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4)	3	Surface Sol Cracks (B6) Orainage Patterns (B10) Moss Trim Lines (B16) Ony-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunded or Stressed Planks (D1)
X Water-Stained Leaves (B9) Aquatic Fauna (B13) Mart Deposts (B15) Hydrogen Suffde Odor (C1) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tifled Soils (C6)	3	Surface Sol Cracks (B8) Drainage Patterns (B10) Moss Trm Lines (B16) Ony-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Cecomorphic Poston (D2)
X Water-Stained Leaves (B9) Aquatic Fauna (B13) Mart Deposits (B15) Hydrogen Suifde Odor (C1) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7)	) 2	Surface Sol Cracks (B8) Orainage Patterns (B10) Moss Trim Lines (B16) (Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Sturted or Stressed Plants (D1) (Geomorphic Poston (D2) Shallow Aquitard (D3)
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X Water-Stained Leaves (B9) Aquatic Fauna (B13) Mart Deposts (B15) Hydrogen Sulfde Odor (C1) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tifled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)  No X Depth (inches): X No Depth (inches): X No Depth (inches): Depth (inches):	20 0	Surface Sol Cracks (B8) Orainage Patterns (B10) Moss Trim Lines (B16) Ony-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Sturted or Stressed Plants (D1) Geomorphic Poston (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)
	Redox Features Color (moist) 5/5 Type* None None None M=Reduced Matrix, CS=Covered or Coated Sand Gr Polyvatue Below Surface (S8) (LRR R, MLRA Thin Dark Surface (S9) (LRR R, MLRA 149B  Loamy Mocky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8)	Color (moist) 5/5 Type* Loc** Include  None Muck None Mucky pest  M=Reduced Matrix, CS=Covered or Coated Sand Grains  **Lo  Indicators for Problemat  2 cm Muck (A10  Coast Praine R  5 cm Muck Pet  Dark Surface (S9) (LRR R, MLRA 149B)  Charles Dark Surface (S9)  Loamy Mucky Mineral (F1) (LRR K, L)  Loamy Mucky Mineral (F1) (LRR K, L)  Loamy Gleyed Matrix (F2)  Depleted Matrix (F3)  Redox Dark Surface (F6)  Depleted Dark Surface (F7)  Red Dark Surface (F8)  Redox Depressions (F8)  Very Shallow Di  Other (Explain is  iveXand hydrology must be present, unless disturbed or problematic

Project/Ste: Icke Property Applicant/Owner Philicke Investigator(s): Scott Taylor Landform (hillslope, terr	ac Summit	s S Loca	own of Dunn, Dane Count ate Wi ection, Township, Range: al relief (Concave Datum: UTN	Sampling Point Section 8 c, CONVEX, NONE):	8/11/14 18 (NESW), T6N, R10E CONVEX	
Soil Map Unit N Granby I	42.9969 N Lon bamy sand (Gn)		WM	Classification: NON		
Are climatic hydrologic conditions of t		f the year? Y		io, explain in rema	rks)	
Are vegetation , soil Are vegetation , soil	, or hydrology , or hydrology		isturbed? No Xematic? No	Are "normal circumstance	es" present?	Yes
(If needed, explain any answers in re-	marks)					
SUMMARY OF FINDINGS						
Hydrophytic vegetation present?	No	Is the sampled ar	ea within a wetand?	No		
Hydric soil present?	No	If yes, optional w	etand site ID:			**********
Wetland hydrology present?	No					
Remarks: (Explain alternative proced Precipitation in the 3 months precedir Regional Airport. There was no rain 6	ig the feldwork was variable	e (May-Normal; Ju	ne-Wet; July-Dry) accord ly 2" of rain on one day 7	ng to NOAA online weather days prior to the fieldwork.	data & USDA WETS da	ta for Madison, Dane Co.

Tree Stratum	Plot Size (	2,826 sf	)	Absolute % Cover	Dominant Species	Indicator Staus	20% 50% Tree Stratum 12 30
1	Salix nigra			35	Yes	ОЫ	Saping/Shrub Stratum 3 8
				15	Yes	FacU	Herb Stratum 23 58
	Jugʻans nigra			5	No	Fac	Woody Vine Stratum 0 0
	opulus delto des	************			No	FacW	Tioody valo couldn't
	nus pennsylvani	ca	255005	5	NO	Facti	
5			*****		***************************************		Dominance Test Worksheet
6				******			Dollmarke lest Horksteet
7	***************					0.0000000000000000000000000000000000000	
8							Number of Dominant Species that are OBL, FACW, or FAC: 3 (A)
9							Number of Dominant Species that are OBL, FACW, or FAC: 3 (A)
0				001000000000000000000000000000000000000	Assessment II		
				60 =	Total Cover		Total Number of Dominant Species Across all Strata: 6 (B)
actualshiph Statum	Plot Size (	2,826 sf	)	Absolute %	Dominant	Indicator	Percent of Dominant Species that are OBL, FACW, or FAC: 50% (A/I
Sapling/Shurb Stratum	117500154545400	2,020 31	3.	Cover	Species	Staus	Percent of Dominant Species that are OBL, FACW, or FAC: 50% (A/I
1 1	onicera X bella			5	Yes	FacU	
2	Acer negundo			5	Yes	Fac	
3 V	burnum opulus			5	Yes	FacW	Prevalence Index Worksheet
4	10)100000000000000000000000000000000000			WARRANCE TO THE			Total % Cover of:
5						CONTRACTOR CONTRACTOR	OBL species 35 x 1 = 35
6				50050000000000000000000000000000000000			FACW species 10 x 2 = 20
7					000000000000000000000000000000000000000	***************************************	FAC species 10 x 3 = 30
8				******		72.20.000000000	FACU species 125 x 4 = 500
9			*****		UU.MMO IN 9555 PORTAGES (F		UPL species 10 x 5 = 50
10		HIDOGERA		******************	Management of the control of the con		Column totals 190 (A) 635 (B)
				15 =	Total Cover		Prevalence Index = B/A = 3.34210526
				Absolute %	Dominant	Indicator	
Herb Stratum	Plot Size (	78.5 sf	)	Cover	Species	Staus	Hydrophytic Vegetation Indicators:
	Poa pratensis			90	Yes	FacU	Rapid test for hydrophytic vegetation
2 Ta	avacum officina			10	No	FacU	Dominance test is >50%
2	Viola sp			10	No	Upl	Prevalence index is ≤3.0*
,	choma hederace			5	No	FacU	15 1 M 15 5 5 5 7 6 5 5 5 1 M 15 4 5 6 5 7 4 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Cidina neocraci	2		***************************************		*************	Morphogical adaptations* (provide supporting data in Remarks or
·				200000000000000000000000000000000000000		************	separate sheet)
9						41111111111	A.V. (1990)
Commence of the last			oren.	0101100001100000		222222	Problematic hydrophytic vegetation* (explain)
8				100000000000000000			DOLLAR OF THE PROPERTY OF THE
9				***********	1.0000000000000000000000000000000000000	****	T
10				***************************************	44 (44 (10 ) ) (4 ) (4 )		*Indicators of hydric soil and welland hydrology must be present, unless distur
11			-4			44 (45 (41 (41 (41 (41 (41 (41 (41 (41 (41 (41	or problematic
12					277727	(**************************************	or problemate
					= Total Cover	ne secondo	
Woody Vine Stratum	Plot Size (	2,826 sf	1	Absolute %	Dominant	Indicator	
11000) Tale Gadiniii		E-10-01	88	Cover	Species	Staus	
1				30000000000000000000000000000000000000	0.0000000000000000000000000000000000000		
2					111111111111111111111111111111111111111	100000000000000000000000000000000000000	
3						7111 (CONTRACT	
5							

Remarks: (Include photo numbers here or on a separate sheet)
The plot was in a mowed turf area with scattered large willows. A portion of a brushy area on the edge of the lake was included in the plot.

							Sampling Point: 1B
						74	2 - 2
ofie Descri Depth	pton. (Describe to the d Matrix	epth needed to docu	ment the	indicator or confirm the Redox Features	absence of indicators		4022403004034Tax1
(Inches)	Color (moist) %	Color (moist)	%	Type*	Loc**	Texture	Remarks
0-8	10 YR 3/2 100					Sandy loam	many pebbles
8-20	10 YR 4/3 100	None				Loamy sand	many pebbles
							wood and a second of the secon
			0.5555555555 	**************************************			
	St. Nathbox 1 cootsenedy electric years	***************************************		\$0.000 + \$0.0000 + \$0.0000 + \$0.000 + \$	TOTAL COLORS STATES	PET AND RESERVE AS THE STATE OF THE SECOND S	
ype: C=Co	ncentration, D=Deplet	on, RM=Reduced M	latrix, CS	S=Covered or Coated S	Sand Grains		Location: PL=Pore Lining, M=Matrix
ydric Soil I	ndicators:					Indicators for Probler	nate Hydric Soils*:
1992	***					MANAGEM BELLEVIA	A10) (LRR K, L, MLRA 149B
Histisol I	(A1) pipedon (A2)	Pohoral	ua Belou	v Surface (S8) (LRR R	MI RA 1498)		Redox (A16) (LRR K, L, R)
	stic (A3)	rojva	oe Delon	r conace (co) (chi h	meror 1420)		Peat or Peat (S3) (LRR K, L, R)
	n Suifide (A4)	Thin Da	erk Surfa	ce (S9) (LRR R, MLRA	149B		(S7) (LRR K, L
Stratifier	d Layers (A5)						low Surface (S8) (LRR K, L)
Deplete	d Below Dark Suface (A			fineral (F1) (LRR K, L)			rface (S9) (LRR K, L)
	ark Surface (A12)			Matrix (F2)			ese Masses (F12) (LRR K, L, R)
	Aucky Mineral (S1)		d Matrix				odplain Soils (F19) (MLRA 149B) c (TA6) (MLRA 144A, 145, 149B)
	Sleyed Matrix (S4) Redox (S5)			face (F6) Surface (F7)			(1A6) (MERA 144A, 145, 1456) Material (TF2)
	Matrix (S6)			ions (F8)			Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, ML			a conone come		Other (Explai	in in Remarks)
149B)	M. M. ON B N. M.	8 8 10 10	Š			igit.	
Indicators o	f hydrophytic vegetation	n and weltand hydro	ology mu	st be present, unless d	sturbed or problems	itc	
ndicators o estrictive L ype: epth (inche	ayer (if observed):				isturbed or problems	ntic Hydric soil	present? No
ndicators o estrictive L ype:	ayer (if observed): :s):	None			isturbed or problems		present?. No
estrictive L epe: epth (inche emarks; o hydric in-	ayer (if observed): is); dicators,	None			isturbed or problema		present? No
estrictive L rpe: epth (inche emarks: o hydric in:	ayer (if observed): is); dicators,	None			isturbed or problema		present? No  Secondary Indicators (minimum of two require
estrictive L type: epth (inche emarks; o hydric in- YDROLO rimary Indi-	ayer (if observed): is);  dicators.	None	a'l that a		isturbed or problema		Secondary Indicators (minimum of two require Surface Soi Gracks (BS)
estrictive L pe: epth (inche emarks: o hydric in:  YDROL( imary Indi Surface High Wa	ayer (if observed):  is):  dicators.  OGY  cators (minimum of one  Water (A1)  ter Table (A2)	None Is required; check Wa	all that a	pply) ed Leaves (B9) na (B13)	isturbed or problems		Secondary Indicators (minimum of two require Surface Soi (Tacks (BS) Drainage Patterns (B10)
estrictive L pe: epth (inche emarks; b hydric in- YDROL( imary Ind. Surface Figh Wa Saturator	ayer (if observed):  is):  Gody  cators (minimum of one  Water (A1)  re Table (A2)  in (A3)	None is required; check Wa Aq	all that all ter-Stains usto Fau in Depos	pply) ad Leaves (B9) na (B13) ts (B15)	isturbed or problems		Secondary Indicators (minimum of two require Surface Sol Cracks (B8) Drainage Patterns (B10) Moss Trim Lines (B16)
estrictive L  pe: epth (inche emarks; b hydric in- yDROLC imary Indi Surface High Wats Saturate Water M	ayer (if observed):  dicators.  DGY  cators (minimum of one  Water (A1) ter Table (A2) in (A3)	None is required; check Wa Aq	all that all ter-Stains usto Fau in Depos	pply) ed Leaves (B9) na (B13)	isturbed or problema		Secondary Indicators (minimum of two require Surface Soi Gracks (B5) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2)
estrictive L pe: epth (inche emarks; o hydric in:  YDROL( imary Ind: Surface High Wa Saturatx Water M Sedimer's	ayer (if observed):  is):  Gody  cators (minimum of one  Water (A1)  re Table (A2)  in (A3)	None  Is required; check.  Wa Aq Ma Hy	all that a ster-Stains sate Fau orl Deposi drogen Si drogen Si	pply) ad Leaves (B9) na (B13) ss (B15) u/de Odor (C1) izospheres on Living Ro			Secondary Indicators (minimum of two require Surface Sol Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8)
estrictive L  pe: epth (inche emarks; o hydrie in  YDROL( fimary Indi Surface High Wa Saturative Water M Sedmer Dnt Des Algal Ma	ayer (if observed):  ayer (if observed):  dicators.  DGY  cators (minimum of one  Water (A1)  ter Table (A2)  m (A3)  to Capats (B2)  oosts (B3)  tor Crust (B4)	None  Is required; check.  Wa Aq Ma Hy	all that a ster-Stains sate Fau orl Deposi drogen Si drogen Si	pply) ad Leaves (89) na (819) ts (815)			Secondary Indicators (minimum of two require Surface Soi (Tracks (BS)) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrons (C8) Saburation Visible on Aerial Imagery (C9)
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estrictive L ype: epth (inche emarks; o hydric in- fimary Indi Surface High Wa Saturatto Water M Sedmer Dnt Deg Algal Ma Iron Dep	ayer (if observed):  ss):  dicators.  DGY  cators (minimum of one Water (A1) ter Table (A2) and (B1) d Deposits (B2) osts (B3) it or Crust (B4) osts (B5) on Visible on Aerial	None  Is required, check.  We Aq Ma Hy Ox Pre	all that ap ter-Stains usto Fau in Deposit drogen Si idized Rh issence of cent Iron	pply)  ad Leaves (89)  na (813)  is (815)  ulfde Odor (C1)  izospheres on Living Ro Reduced Iron (C4)	oots (C3)		Secondary Indicators (minimum of two require Surface Sol Cracks (B8) Dranage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saburation Visible on Aerial Imagery (C9) Shuted or Stressed Plants (D1) Geomorphic Poston (D2)
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estrictive L  ppe: epth (inche emarks; o hydric in- index line y lad. Surface High Wa Saturato Water M Sed mer Drit Dep Loundab- Limagery Sparsely Surface	ayer (if observed):  iss):  Gody  cators (minimum of one Water (A1)  for Table (A2)  in (A3)  arks (B1)  the Opposits (B2)  osts (B3)  for Chust (B4)  osts (B5)  in Visible on Aerial  (B7)  Vegetated Concave  (B8)	None  is required; check  We Aq Hy Ox Pre	all that aj usto Fau in Depos drogen Si idized Rh issence of cent Iron in Muck S	pply) ad Leaves (B9) na (B13) ts (B15) ts (B15) ut/de Odor (C1) rizospheres on Living Ro Reduced Iron (C4) Reduced Iron Tied Solis	oots (C3)		Secondary Indicators (minimum of two require Surface Sol Cracks (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saurtation Visible on Aerial Imagery (C9) Shurted or Stressed Plants (D1) Geomorphic Poston (D2) Shallow Aquitand (D3) FAC-Neutral Test (D5)
when the second control of the second contro	ayer (if observed):  ss):  dicators.  DGY  cators (minimum of one Water (A1) ter Table (A2) m(A3) arts (B1) osts (B3) tor Crust (B4) osts (B3) visible on Aerial (B7) viseplated Concave (B8)	None  is required; check  We Aq Ms Hy Cox Pre Re Th	all that aj usto Fau usto Fau	pply) ad Leaves (B9) na (B19) ts (B15) ts (B15) tizospheres on Living Ro Reduced Iron (C4) Reduced Iron (C4) in in Remarks)  Depth (inches):	oots (C3)		Secondary Indicators (minimum of two require Surface Sol Cracks (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saurtation Visible on Aerial Imagery (C9) Shurted or Stressed Plants (D1) Geomorphic Poston (D2) Shallow Aquitand (D3) FAC-Neutral Test (D5)
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Investigator(s): Scott Taylor Section 8 (NESW), TeN, R10E Landform (hillslope, terrac Loeslope Local relief (concave, convex, none): None Stope (%): 0 Lat.: 42.9969 N Lon(89.3410 W Datum: UTM 16N Soli Map Unit N:Granby loamy sand (Gn) WM Classification: None Are climatichydrologic conditions of the site typical for this time of the year? Yes (If no, explain in remarks) Are vegetation sol or hydrology significantly disturbed? No	Project/Site:	Icke Property		City/County: Town of Dunn, Dane C		8/11/14	.52
Landform (hillslope, terrac Loeslope	Applicant/Owner.	Philicke			Sampling Point	10	
Stope (49: 0 Lat.: 42.9969 N Lonc89.3410 W Datum: UTM 160 None None None None None None None None	Investigator(s):	Scott Taylor			ige: Section 8		(11) 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Stope (49): 0 Lat.: 42.9969 N Lon(89.3410 W Datum: Will Map Unit N:Granby loamy sand (Gn) Will Classification. None Are climatichydrologic conditions of the site typical for this time of the year? Yes (If no, explain in remarks) Are vegetation soil or hydrology significantly disturbed? No Are vegetation soil X or hydrology naturally problematic? Are informal circumstances* present? Yes (If needed, explain any answers in remarks)  SUMMARY OF FINDINGS  SUMMARY OF FINDINGS  Hydrophytic vegetation present? Yes Is the sampled area within a wetland? Yes Hydrophytic vegetation present? Yes If yes, optional wetland site ID:  Wetland hydrology present? Yes If yes, optional wetland site ID:  Wetland hydrology present? Yes If yes, optional wetland site ID:  Remarks: (Explain alternative procedures here or in a separate report.)	Landtorm (	hillslope, te	rrac I oeslope	Local relief (conc	ave, convex, none):	None	
Soil Map Unit N:Granby loamy Sand (Gn)  Are climatorhydrologic conditions of the site typical for this time of the year? Yes Are vegetation soil or hydrology significantly disturbed? No Are vegetation soil or hydrology significantly disturbed? No Are vegetation soil or hydrology naturally problematic?  Are "normal circumstances" present?  Yes  SUMMARY OF FINDINGS  Hydrophytic vegetation present? Yes Is the sampled area within a wetland? Hydrophytic vegetation present? Yes If yes, optional wetland site ID:  Wetland hydrology present?  Yes  If yes, optional wetland site ID:  Wetland hydrology present? Yes  Remarks: (Explain alternative procedures here or in a separate report.)	Stope (%): 0	Lat.	42.9969 N Lo	n(89.3410 W Datum: L			
Are climaticity/drotogic conditions of the site typical for this time of the year? Yes (IT NO, EXPIAIN IN FEMARKS)  Are vegetation soil or hydrotogy significantly disturbed? No Are "normal circumstances" present? Yes (If needed, explain any answers in remarks)  SUMMARY OF FINDINGS  Hydrophytic vegetation present? Yes Is the sampled area within a wetland? Yes Hydrophytic soil present? Yes If yes, optional wetland site ID:  Wetland hydrology present? Yes If yes, optional wetland site ID:  Wetland hydrology present? Yes Present in a separate report.)  Presingation in the 3 months preceding the feldwork was variable (May-Normal: June-Wet, July-Dry) according to NOAA online weather data & USDAWETS data for Madison, Dane	Soil Map Ur	it N. Granby	loamy sand (Gn)	V			
Are vegetation soil or hydrology significantly disturbed? No Are "normal circumstances" present? Yes (If needed, explain any answers in remarks)  SUMMARY OF FINDINGS  Hydrophytic vegetation present? Yes Is the sampled area within a wetland? Yes Hydric soil present? Yes If yes, optional wetland site ID:  Wetland hydrology present? Yes If yes, optional wetland site ID:  Wetland hydrology present? Yes If yes, optional wetland site ID:  Remarks: (Explain alternative procedures here or in a separate report.)	Are climatic hydr	ologic conditions o	f the site typical for this time	e of the year? Yes (	t no, explain in rema	rks)	
Are vegetation soil X or hydrology naturally problematic? Are "normal circumstances" present? Yes  SUMMARY OF FINDINGS  Hydrophytic vegetation present? Yes Is the sampled area within a wetland? Yes Hydric soil present? Yes If yes, optional wetland site ID:  Wetland hydrology present? Yes  Remarks; (Explain alternative procedures here or in a separate report.)  Presingation in the 3 months preceding the feldwork was variable (May-Normal: June-Wet, July-Dry) according to NOAA online weather data & USDAWETS data for Madison, Dane				significantly disturbed? No			
(If needed, explain any answers in remarks)  SUMMARY OF FINDINGS  Hydrophytic vegetation present? Yes Is the sampled area within a wetland? Yes Hydric soil present? Yes If yes, optional wetland site ID:  Wetland hydrology present? Yes  Remarks: (Explain alternative procedures here or in a separate report.)  Prescriptation in the 3 months preceding the feldwork was variable (May-Normal; June-Wet, July-Dry) according to NOAA online weather data & USDAWETS data for Madison, Dane		erenevations TERM			Are "normal circumstance	s" present?	Yes
SUMMARY OF FINDINGS  Hydrophytic vegetation present? Yes Is the sampled area within a wetland? Yes Hydric soil present? Yes If yes, optional wetland site ID:  Wetland hydrology present? Yes  Remarks: (Explain alternative procedures here or in a separate report.)  Prescriptation is the 3 months preceding the feldwork was variable (May-Normal; June-Wet, July-Dry) according to NOAA online wealther data & USDAWETS data for Madison, Dane				ACCOMMODISTANCE SAME ACCOMMODISTANCE OF THE SAME ACCOMMODI			200
Wesand hydrology present?  Remarks: (Explain atternative procedures here or in a separate report.)  Previous to in the 3 months preceding the feldwork was variable (May-Normal: June-Wet, July-Dry) according to NOAA online weather data & USDAWETS data for Madison, Dane	SUMMART U	FFINDINGS					
Remarks; (Explain alternative procedures here or in a separate report.)  Presintation in the 3 months preceding the feldwork was variable (May-Normal: June-Wet, July-Dry) according to NOAA online weather data & USDAWETS data for Madison, Dane			A 4 F L B L P L P L P L		Yes		
Precipitation in the 3 months preceding the fieldwork was variable (May-Normal: June-Wet; July-Dry) according to NOAA online weather data & USDA WETS data for Madison, Dane	Hydric soil prese	nt?	Yes		Yes	······································	000001 (N.C.)
judged hydric even though no hydric indicator was observed.	Hydric soil prese	nt?	Yes		Yes	· · · · · · · · · · · · · · · · · · ·	DECOMP 15/

Tree Stratum	Plot Size (	314 sf	)	Absolute % Cover 90	Dominant Species Yes	Indicator Staus Obl	20% 50% Tree Stratum 19 48 Saping/Shrub Stratum 4 10
2 Fran	nus pannsylvanii			5	No	FacW	Herb Stratum 25 63
3	nos pannsynam						Woody Vine Stratum 0 0
			0000	***************************************	100000000000000000000000000000000000000	550000000000000000000000000000000000000	100 00 00 00 00 00 00 00 00 00 00 00 00
			0000000	******	410110000000000000000000000000000000000	\$4,000,000 (00 to 00 to	
5				41 1000		1400044001100	Dominance Test Worksheet
						1410100000100000	Delinate text text text
	*****		8805577	000000000000000000000000000000000000000			
						***************************************	Number of Dominant Species that are OBL, FACW, or FAC: 5 (A
)					1111-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	11/10/1995	Number of Dominant opedes that are Obc. (1701), of 170.
0			10000	95 =	Total Cover	00000000000000000000000000000000000000	Total Number of Dominant Species Across all Strata: 5 (B
				Absolute %	Dominant	Indicator	
spling/Shurb Stratum	Plot Size (	314 sf	)	Cover	Species	Staus	Percent of Dominant Species that are OBL, FACW, or FAC: 100% (A
	Acer negundo			10	Yes	Fac	nerverteenemaantii istaatii totaa kataa kataa kataa araa araa da oo ka oo saa saa saa saa saa saa saa saa saa
	lèurnum opulus		-	5	Yes	FacW	
	nus pennsylvani		.,,,,,,,,,	5	Yes	FacW	Prevalence Index Worksheet
1100	nos permayares				22.2		Total % Cover of:
							OPI energies 90 x 1 = 90
		0.000	******			0.0000000000000000000000000000000000000	FACW species 135 x 2 = 270
3 7			19 (44.4)	*********	V1111100000000000000000000000000000000	2000 N 2000 TO	FAC species 15 x 3 = 45
B				***************************************	(11)(11)(11)(11)(11)(11)	(441)1-(1-44)	FACU species x 4 = 0
						(1.00)	UPI species X.5 = 0
9			22222	20202242012424			Column totals 240 (A) 405 (B
0		enexamento.	DESCRIPTION OF THE PARTY OF THE	20 =	Total Cover		Prevalence Index = B/A = 1.6875
				Absolute %	Dominant	Indicator	Fictacine most - DA
Herb Stratum	Plot Size (	78.5 sf	)	Cover	Species	Staus	Hydrophytic Vegetation Indicators:
e constant de constant	a'aris arund nace			100	Yes	FacW	Rapid test for hydrorbytic vagetation
		a 		20	No	FacW	X Dominance test is >50% Prevalence index is ≤3.0*
	pios americana		NAMES OF	5	No		Preyalence index is ≤3.0*
3	Võis riparia				160	Fac	1 TO TOCING MOCK IS 45.0
4			0011100	*******	NAME AND ADDRESS OF THE PARTY O	11	Morphogical adaptations* (provide supporting data in Remarks o
5			-0.00				separate sheet)
6	27.110.111.111.111.11			**********	*****************	***************************************	sepsiate silvery
7					***************	(10000000000000000000000000000000000000	Problematic hydrophytic vegetation* (explain)
8				*******	***************************************		. (Outsidate illoropidate regulation (expectly
9						111111111111111111111111111111	
0			energy.	100100000000000000000000000000000000000			*Indicators of hydric soil and wetland hydrology must be present, unless distu
1				200000000000000000000000000000000000000	ER RESERVE STANDARD (ART)	CARTES AND	or problematic
2						43.411.4100.000.000.000.000.000.000.000.00	of problemate
					Total Cover	V. X. 343	
Woody Vine Stratum	Plot Size (	314 sf	)	Absolute %	Dominant	Indicator	
		MAD VICEN	115	Cover	Species	Staus	
1		**************				220000000000	
2			MARKET CO	100000000000000000000000000000000000000	300000000000000000000000000000000000000		
3		00X111111111111111111		986000000000000		LOSSOCIATIONS	
4			1700000	***************************************		(99960000000000000000000000000000000000	0
5					ggam.com.co	100000000000	Hydrophytic vegetation present? Yes
8883841100000000000000000000000000000000				0 =	Total Cover		Hydrophytic vegetation present? Yes

								Sampling Point: 1C
		o the dept	h needed to docu		cator or confirm the at	bsence of indicators	)	T.
Depth (Inches)	Matrix Color (moist)	%	Color (moist)	%	Redox Features Type*	Loc**	Texture	Remarks
0-6 6-20	10 YR 2/1 10 YR 3/1	100 100	None None				Sandy loam Loamy sand	extremely high organic matter content many pebbles
	***************	enternes.						
41650430-4001								
Type: C=Co	oncentration, D=D	epletion,	RM=Reduced M	latrix, CS=Co	overed or Coated Sa	nd Grains		ocation: PL=Pore Lining, M=Matrix
Hydric Soll I	nd cators:						Indicators for Problems	atic Hydric Soils*:
Histisol	(A1)						2 cm Muck (A1	0) (LRR K, L, MLRA 149B
	pipedon (A2)		Polyval	ue Below Su	rface (S8) (LRR R, M	ILRA 149B)		Redox (A16) (LRR K, L, R)
	istic (A3)						5 cm Mucky Pe	eat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfde (A4)		Thin Da	erk Surface (S	S9) (LRR R, MLRA 1	149B	Dark Surface (	S7) (LRR K, L
	d Layers (A5)							w Surface (S8) (LRR K, L)
	d Below Dark Suf				ral (F1) (LRR K, L)			ace (S9) (LRR K, L)
	ark Surface (A12)			Gleyed Matri				e Masses (F12) (LRR K, L, R)
	ducky Mineral (S1			d Matrix (F3)				dplain Sols (F19) (MLRA 149B)
	Sleyed Matrix (S4	)		Dark Surface			Red Parent Ma	TA6) (MLRA 144A, 145, 149B)
	Redox (S5) I Matrix (S6)			d Dark Surfa Depressions				Dark Surface (TF12)
	rface (S7) (LRR I	R MI RA	Keoox	Depressions	((0)		X Other (Explain	
149B)		.,						
Indicators o	of hydrophytic veg	etation ar	nd weltand hydro	ology must be	e present, unless dis	turbed or problemat	io .	
		,	None					
Restrictive L Type: Depth (inche Remarks: No hydric in-	s):			nal judgemen	nt was used to assum	ne the soil was hydr	Hydric soil pr ic based on the vegetation, h	resent? Yes
Type: Depth (nche Remarks: No hydric in-	es): dicators were obs			nal judgemen	nt was used to assum	ne the soil was hydr	K = 1 N	73111111111111111111111111111111111111
Type: Depth (inche Remarks: No hydric in-	es): dicators were obs	erved ho	wever profession	5 .5		ne the soil was hydr	ic based on the vegetation, f	nydrology and landscape position indicators.
Type: Depth (nche Remarks: No hydric in-	dicators were obs	erved ho	wever profession	all that apply)	)	ne the soil was hydr	ic based on the vegetation, f	nydrology and landscape position indicators.  Secondary Indicators (minimum of two required)
Type: Depth (nche Remarks: No hydric in- HYDROL( Primary Ind- Surface	dicators were obs	erved ho	wever profession required; check r	all that apply) ter-Stained Lo	) eaves (89)	ne the soil was hydr	ic based on the vegetation, f	nydrology and landscape position indicators.  Secondary Indicators (minimum of two required) Surface Sol Cracks (85)
Type: Depth (nche Remarks: No hydric in- HYDROL( Primary Ind- Surface: X High Wa	OGY cators (minimum Water (A1)	erved ho	wever profession required; check is We Aq	all that apply) ter-Stained Le sate Fauna (B	) eaves (89) B13)	ne the soil was hydr	ic based on the vegetation, f	nydrology and landscape position indicators.  Secondary Indicators (minimum of two required)  Surface Sol Cracks (88)  Drainage Patterns (810)
Type: Depth (nche Remarks: No hydric in- HYDROL( Primary Ind- Surface X Hgh Wa X Saturatio	dicators were obs  DGY cators (minimum Water (A1) ter Table (A2) in (A3)	erved ho	wever profession required; check is We Aqu Ma	all that apply) ter-Stained Le uato Fauna (E ri Deposts (8	) eaves (89) B13)	ne the soll was hydr	ic based on the vegetation, h	nydrology and landscape position indicators.  Secondary Indicators (minimum of two required) Surface Sol Cracks (86) Drainsge Patterns (810) Moss Time Lines (816)
Type: Depth (inche Remarks: No hydric in- HYDROL( Primary Indi Surface: X High Wal X Saburati Water M	odicators were obs  DGY cators (minimum Water (A1) ther Table (A2) on (A3)	erved ho	wever profession required; check is We Aqu Ma	all that apply) ter-Stained Le sate Fauna (B	) eaves (89) B13)	ne the sol was hydr	ic based on the vegetation, h	nydrology and landscape position indicators.  Secondary Indicators (minimum of two required)  Surface Sol Cracks (88)  Drainage Patterns (810)
Type: Depth (nche Remarks: No hydric in- HYDROLC Primary Indi- Surface X High Wat X Saburato Water M Sedmer	dicators were obs  DGY cators (minimum Water (A1) ter Table (A2) in (A3)	erved ho	wever profession required; check : Wa Aqa Mai Hys	all that apply) ter-Stained Le usto Fauna (E ri Deposts (B drogen Suffde dized Rhizos)	) eaves (B9) B13) 115) e Odor (C1) pheres on Living Root		ic based on the vegetation, h	Secondary Indicators (minimum of two required) Surface Soil Cracks (85) Drainage Patterns (810) Moss Timi Lines (816) X Dry-Season Water Table (C2) Crayfah Burrows (C8)
Type: Depth (nche Remarks: No hydric in- HYDROLC Primary Inface X High Wa X Saturato Water M Sedimer Drift Dep Algal Ma	dicators were obs  OGY  cators (minimum  Water (A1) for Table (A2) on (A3) of Deposts (B2) costs (B3) to or Costs (B4)	erved ho	wever profession required; check : Wa Aqa Mai Hys	all that apply) ter-Stained Le usto Fauna (E ri Deposts (B drogen Suffde dized Rhizos)	) eaves (B9) B13) I15) e Odor (C1)		ic based on the vegetation, h	Secondary Indicators (minimum of two required) Surface Sol Cracks (88) Drainage Patterns (810) Moss Trim Lines (815) X Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
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Type: Depth (nche Remarks: No hydric in  HYDROLC  Primary Indi Surface' X High Wa X Saturato Water M Sedmen Dril Dep Algal Ma Iron Dep Inundask	dicators were obs  DGY  cators (minimum: Water (A1) ter Table (A2) on (A3) arks (B1) arks (B2) oosts (B3) oosts (B3) oosts (B3) oosts (B5) on Visible on Aeria	erved ho	wever profession required; check is Aqi Mai Hyi Pre	all that apply) ter-Stained Li useto Fauna (E ri Deposits (B drogen Suffde dized Rhizos) sence of Red cent Iron Red	) eaves (B9) B13) B15) e Odor (C1) pheres on Living Root duced Iron (C4)	is (C3)	ic based on the vegetation, h	Secondary Indicators (minimum of two required) Surface Soil Cracks (86) Drainage Patterns (810) Moss Tim Lines (816) X Dry-Season Water Table (C2) Crayfash Burrows (C6) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) X Geomorphic Poston (D2)
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Project/Site: Icke Property Applican/Owner: Pril Icke Investigator(s): Scott Taylor Landform (hillslope, terrac Loeslope Stope (%): U Lat.: 42.9969 N I Soil Map Unit N:Granby loamy sand (Gr Are climatic hydrologic conditions of the site hybical for this t Are vegetation , soil X , or hydrology (If needed, explain any answers in remarks)	State W Section, Township LOCAI relief (C LON(89:3410 W Datun 1) - ime of the year? Yes significantly disturbed? No	oncave, convex, n n: UTM 16N WM Classification: (If no, explain in	ont 24 Section 8 (NESW), T6N, R10E one): Concave  None
SUMMARY OF FINDINGS			
Hydrophytio vegetation present? Yes Hydric soil present? Yes Wetand hydrology present? Yes	Is the sampled area within a web If yes, optional webland site IO:	land? Yes	1
Remarks: (Explain alternative procedures here or in a sepa Precipitation in the 3 months preceding the fieldwork was v. Regional Airport. There was no rain 6 days prior to the field judged hydric even though no hydric indicator was observed	ariable (May-Normal; June-Wet, July-Dr work but there was nearly 2" of rain on o	y) according to NOAA online one day 7 days prior to the f	e weather data & USDAWETS data for Madison, Dane Co. eldwork. The soil was naturally problematic since it was
VEGETATION - Use scientific names of plants			
Tree Stratum Plot Size ( 78.5 sf ) 1 2 3	Absolute % Dominant Cover Species	Indicator Staus	20% 50%   Tree Stratum
5 6 7	Annual Manager Communication	2002000111111 2002000000000000000000000	Dominance Test Worksheet
8	200000000000000000000000000000000000000	OUTTNACES	Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)
10	0 = Total Cover		Total Number of Dominant Species Across all Strata: 2 (B)
Sapling/Shurb Stratum Plot Size ( 78.5 sf ) 1 Lonicera X bella	Absolute % Dominant Cover Species 10 Yes	Indicator Staus FacU	Percent of Dominant Species that are OBL, FACW, or FAC: 50% (A/B)
2 3 4 5 6 7 7		00000000000000000000000000000000000000	$ \begin{array}{llllllllllllllllllllllllllllllllllll$
Herb Stratum Plot Size ( 78.5 sf )	10 = Total Cover Absolute % Dominant Cover Species 100 Yes	Indicator Staus FacW	Prevalence Index = B/A = 2 29166667  Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation
2 Solanum dulcamara 3 Sonchus asper	2 100	Fac FacU	Dominance test is >50% X Prevalence index is ≤3.0*
4 5 6	1000000000000000000000000000000000000	(00.00) (00.0000000000000000000000000000	Morphogical adaptations* (provide supporting data in Remarks or o separate sheet)
7	A CONTRACTOR OF THE PROPERTY O		Problematic hydrophytic vegetation* (explain)
9		20000011111111111111111111111111111111	*Indicators of hydric soil and wetland hydrology must be present, unless disturb
11 12 Woody Vine Stratum Plot Size ( 78.5 sf )	110 = Total Cover Absolute % Dominant Cover Species	Indicator Staus	or problemato
1	E TO SECONDARIO CONTROL CONTRO	6640004 108 4 8 4 6 C	
3	e (controller and controller)	(	
\$	0 = Total Cover	200200000000000000000000000000000000000	Hydrophytic vegetation present? Yes
Remarks: (Include photo numbers here or on a separate s The plot was in an open, grassy area surrounded by brush	heet)		

Profile Desci	iption (Describe to	the dept	needed to docume	int the ind	cator or conf	rm the absen	ice of indicators )			V		
Depth	Matrix	-	******		Redox Feat			Tex	ture	i i	Rem	arks
(Inches)	Color (moist)	100	Color (moist)	%	Tyj	oe"	Loc**	Sandy loam	194.141			(0.0.390)
0-12	10 YR 2/2 10 YR 2/2	100	None None		0.0000000000000000000000000000000000000		0.0000000000000000000000000000000000000	Loamy sand				
12-20	10 11 2/2	100	rvone		*************			Loanly sailo		***************************************		
		11111111	**************		*********		***************			**********		
	***************************************										44.4	
	(11112117777811811	*********		escui il IV	· · · · · · · · · · · · · · · · · · ·	50150 (NY 17		***********		2211122112112		
*Type: C=C	oncentration, D=D	epletion,	RM=Reduced Mat	rix, CS=C	overed or C	oated Sand G	Grains		··Lo	cation: PL=Pore	Lining, M	=Matrix
Hydric Soil I	indicators:					550		Indicators fo	r Problemat	c Hydric Soils*	:	
4 10 10 11	****							2	11	(LRR K, L, M	DA 1/00	
Histisol			Determine	Dalau C	ofaca (CO) (	000 WO	A 140D)			dox (A16) (LRF		
	pipedon (A2)		Polyvalue	DEION SO	mace (90) (	LRR R, MLR	A 1430)			t or Peat (S3) (		R)
	listic (A3) en Sulfide (A4)		This Dark	Surface	CO 11 DD D	MLRA 149E	,			7) (LRR K, L	LINK N, L,	11)
riyarog	en Suinde (A4)		Their Dark	Soliace (	23) (EKK K	, mercy 140E			oursec to	,,(=:::::::::::::::::::::::::::::::::::		
	d Layers (A5)				0.00210.02212					Surface (S8) (		
Deplete	d Below Dark Suf	ace (A11)			ral (F1) (LR	RK,L)				e (S9) (LRR K		000000
Thick D	ark Surface (A12)		Loamy Gl	eyed Mat	rix (F2)					Masses (F12)		
	Mucky Mineral (S1		Depleted							olain Soils (F19		
	Gleyed Matrix (S4)	ř.	Redox Da							A6) (MLRA 144	A, 145, 14	198)
	Redox (S5)		Depleted						Parent Mat			
	d Matrix (S6)		Redox De	pressions	(F8)					rk Surface (TF	12)	
	orface (S7) (LRR I	R, MLRA						X Oth	er (Explain in	(Remarks)		
149B)					0.0000000000000000000000000000000000000							
(0.5X 50.5/8.6)			d weltand hydrolo	gy must b	e present, u	niess disturb	ed or problemation					
Restrictive I Type: Depth (inch Remarks:	_ayer (if observed)	:	Vone	*******		14		Н	ydric soil pre	V20-7V 000	-4476	Yes
Restrictive I Type: Depth (inch Remarks:	_ayer (if observed)	:		*******		14		Н		V20-7V 000	ndscape p	
Restrictive I Type: Depth (inch Remarks: No hydric in	ayer (if observed) es): dicators were obs	: erved ho	None vever professional	judgemei	nt was used	14		Н		V20-7V 000	ndscape p	
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Restrictive I Type: Depth (inch Remarks: No hydrio in HYDROL Primary Ind	ayer (if observed) es): dicators were obs	: erved ho	vever professional	judgemen	nt was used	14		Н	egetation, hy	econdary Indic Surface Sol C	ators (mini	osition indicators
Restrictive I Type: Depth (inch Remarks: No hydric in HYDROL Primary Ind Surface High W	.ayer (if observed) es): dicators were obs  OGY cators (minimum resource) ster Table (A2)	: erved ho	vever professional equired; check all Water Aqua'	judgemei that apply Stained L co Fauna (	nt was used  () () (eanes (B9) (B13)	14		Н	egetation, hy	econdary Indic Surface Soil C Drainage Patte	ators (mini racks (Bō) erns (B10)	osition indicators
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Restrictive I Type: Depth (inch Remarks: No hydric in Surface Hgh W X Saburato Water h Sedme Drit De Algal M Ion De Ion de	oGY  cators (minimum Water (A1) ater Table (A2) on (A3) drafts (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeria	erved ho	equired; check all Water Aqual Mari II Hydro Oxida Prese Recei	judgemen stained L or Fauna ( Deposits (i gen Suilid and Rhizot nice of Re-	nt was used  () () (eaves (B9) (B13) (B15) (e Odor (C1) (spheres on Li duced Iron (C ducton in Tri ducton in Tri ducton in Tri ducton in Tri	to assume th	ne soil was hydric	Н	egetaton, hy	econdary Indic Surface Soil C Drainage Patte Moss Trim Lim Dry-Season W Crayfish Burro Saturation Vis	ators (mini racks (B6) erns (B10) es (B16) later Table ws (C8) ble on Aeri essed Plan ostion (D2	imum of two required (C2)
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Applicant/Owner Philicke investigator(s): Scott Taylor			State: WI	Sampling	g Point 28	
	c Summit		Section, Township Local relief (CO	oncave, convex,	Section 8 (NESW), T6N, R10E none): Convex	
andform (hillslope, terra	2.9969 N	Lon(89.34	10 W Datum	n: UIM 16N		*******************
oil Map Unit N.Granby IO re climatic/hydrologic conditions of the	amy sand (	GN) is time of the year?	Yes	WM Classification: (If no, explain	None in remarks)	
re vegetation , soil	, or hydrolo	gy signal	cancy disturbed in	Ara "narmal	circumstances" present?	Yes
ve vegetation , soil If needed, explain any answers in rem	, or nyarota	ogynatura	ally problematic? No	Ate iloima	Carconialarices pressure	( Contract of the Contract of
UMMARY OF FINDINGS						
lydrophytic vegetation present?	No	Is the san	pled area within a weta	and? No	0	W
lydric soil present? VeBand hydrology present?	No No	If yes, opt	ional wetland site ID:			
Remarks: (Explain alternative procedur Precipitation in the 3 months preceding Regional Airport. There was no rain 6	the fald mark was	wanishla (May.Not	mal; June-Wet, July-Dry ras nearly 2° of rain on o	r) according to NOAA on one day 7 days prior to the	iline weather data & USDA WETS data fo he fieldwork.	r Madison, Danie Co.
VEGETATION - Use scientific na	ames of plants					
- Washington W	2,826 sf	Absolute %	Dominant	Indicator	14. 14. 4	20% 50% 27 68
	2,020 81	Cover 40	Species Yes	Staus FacU	Tree Stratum Sapling/Shrub Stratum	0 0
1 Jugʻans nigra 2 Acer negundo		40	Yes	Fac	Herb Stratum	21 53
3 Populus delto de		30 25	Yes No	Fac Obl	Woody Vine Stratum	0 0
4 Salk nigra	£1.194444914100(44)	23		<b>O</b> G.		
6			400000000000000000000000000000000000000	50050565000000000000000000000000000000	Dominance Test Worksheet	
7 8				(*************************************		
9			***************************************	VI. 17844 14 11 15	Number of Dominant Species tha	t are OBL, FACW, or FAC: 2 (A)
10		135	= Total Cover		Total Number of Dominant Sp	pecies Across all Strata: 4 (B)
Sapling/Shurb Stratum Plot Size (	2,826 sf	) Absolute % Cover	Dominant Species	Indicator Staus	Percent of Dominant Species tha	t are OBL, FACW, or FAC: 50% (A/B)
2						
3	*******	(2.000)		***	Prevalence Index Worksheet Total % Cover of:	
4			ALTONOMIST DE DANS	H00747 (500000000	OBL species	25 x 1 = 25 x 2 = 0
					FACW species	x 2 = 0 70 x 3 = 210
5 6						
6 7				Dispussion of	FAC species	145 x 4 = 560
6 7 8			AUTOMORPHO			145 x 4 = 560 x 5 = 0
6 7			AVAI - 12 - 12 - 12 - 12 - 12 - 12 - 12 - 1		FAC species FACU species UPL species Column totals	145 x 4 = 560 x 5 = 0 240 (A) 815 (B)
6 7 8 9			= Total Cover		FAC species FACU species UPL species	145 x 4 = 560 x 5 = 0
6 7 8 9	78.5.sf	0 Absolute % Cover	Dominant Species	Indicator Staus	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator	145 x 4 = 550 x 5 = 0 240 (A) 815 (B) 3.395833333
6 7 8 8 9 9 110		) Absolute % Cover 100	Dominant Species Yes	Indicator Staus FacU	FAC species FACU species UPL species Column totals Preva'ence Index = B/A = Hydrophytic Vegetation Indicator Rapid test for hydrog	145 x 4 = 580 x 5 = 0 240 (A) 815 (B) 3.39583333 8: hytic vegetation
6 7 8 9 10 Herb Stratum Plot Size ( 1 Pos pratens: 2 Glechoma heder.		) Absolute % Cover	Dominant Species	Indicator Staus	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator	145 x 4 = 580 x 5 = 0 240 (A) 815 (B) 3.39583333 s; hyto vegetation
6 7 8 9 9 10 Herb Stratum Plot Size ( 1 Pos pratensis 2 Glechoma heden		) Absolute % Cover 100	Dominant Species Yes	Indicator Staus FacU	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator Rapid test for hydrop Dominance test is >5 Prevalence index is:	145 x 4 = 580 x 5 = 0 240 (A) 815 (B) 3.39583333 8: hytic vegetation 10% \$3.0°
6 7 7 8 8 9 9 10 10 Plot Size ( 1 Pos pratens: 2 Glechoma heder: 3 4 4 5 5		) Absolute % Cover 100	Dominant Species Yes	Indicator Staus FacU	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator Rapid test for hydror Dominance test is > Prevalence index is Morphogical adaptat	145 x 4 = 580 x 5 = 0 240 (A) 815 (B) 3.39583333 8: hytic vegetation 10% \$3.0°
6 7 8 9 9 10 Herb Stratum Plot Size ( 1 Poa pratensis 2 Glechoma heder 3 4 5 5 6		) Absolute % Cover 100	Dominant Species Yes	Indicator Staus FacU FacU	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator Rapid test for hydrog Dominance test is > Prevalence index is: Morphogical adaptat separate sheet)	145 x 4 = 550 x 5 = 0 240 (A) 815 (B) 3.395833333 si. hytic vegetation 10% s3.0° ions* (provide supporting data in Remarks or or
6 7 7 8 9 9 10 Herb Stratum Plot Size ( 1 Pos pratensis 2 Glechoma heder 4 5 5 6 7 7 8 8		) Absolute % Cover 100	Dominant Species Yes	Indicator Staus FacU FacU	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator Rapid test for hydrog Dominance test is > Prevalence index is: Morphogical adaptat separate sheet)	145 x 4 = 580 x 5 = 0 240 (A) 815 (B) 3.39583333 8: hytic vegetation 10% \$3.0°
6 7 8 8 9 10 Plot Size ( 1 Pos pratensis 2 Grechoms heden 3 4 5 6 6 7 7 8 8 9 9		) Absolute % Cover 100 5	Dominant Species Yes No	Indicator Staus FacU FacU	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator Rapid test for hydrop Dominance test is > Prevalence index is: Morphogical adaptat separate sheet)  Problematic hydroph	145 x 4 = 550 x 5 = 0 240 (A) 815 (B) 3.395833333 s: hyto vegetation 10% s3.0° sons* (provide supporting data in Remarks or or cons* (provide supporting data in Remarks or or
6 7 7 8 8 9 9 10 Herb Stratum Plot Size ( 1 Poa pratensi: 2 Glechoma heden 4 5 5 6 6 7 7 8 8 9 9 10 10 11		) Absolute % Cover 100	Dominant Species Yes No	Indicator Staus FacU FacU	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator Rapid test for hydrop Dominance test is >! Prevalence index is : Morphogical adaptat separate sheet) Problematic hydroph 'indicators of hydric soil and wet	145 x 4 = 550 x 5 = 0 240 (A) 815 (B) 3.395833333 s: hyto vegetation 10% s3.0° sons* (provide supporting data in Remarks or or cons* (provide supporting data in Remarks or or
6 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		) Absolute % Cover 1000 5	Dominant Species Yes No	Indicator Staus FacU FacU	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator Rapid test for hydrop Dominance test is > Prevalence index is: Morphogical adaptat separate sheet)  Problematic hydroph	145 x 4 = 550 x 5 = 0 240 (A) 815 (B) 3.395833333 s: hyto vegetation 10% s3.0° sons* (provide supporting data in Remarks or or cons* (provide supporting data in Remarks or or
6 7 7 8 8 9 9 10 Herb Stratum Plot Size ( 1 Poa pratensi: 2 Glechoma heden 4 5 5 6 6 7 7 8 8 9 9 10 10 11	C63	) Absolute % Cover 100 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Dominant Species Yes No	Indicator Staus FacU FacU	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator Rapid test for hydrop Dominance test is >! Prevalence index is : Morphogical adaptat separate sheet) Problematic hydroph 'indicators of hydric soil and wet	145 x 4 = 550 x 5 = 0 240 (A) 815 (B) 3.395833333 s: hyto vegetation 10% s3.0° sons* (provide supporting data in Remarks or or cons* (provide supporting data in Remarks or or
6 7 7 8 9 10 10 11 12 12 12 12 12 12 12 12 12 12 12 12	C63	) Absolute % Cover 100 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Dominant Species Yes No	Indicator Staus FacU FacU	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator Rapid test for hydrop Dominance test is >! Prevalence index is : Morphogical adaptat separate sheet) Problematic hydroph 'indicators of hydric soil and wet	145 x 4 = 550 x 5 = 0 240 (A) 815 (B) 3.395833333 s: hyto vegetation 10% s3.0° sons* (provide supporting data in Remarks or or sytic vegetation* (explain)
6 7 7 8 8 9 9 10	C63	) Absolute % Cover 100 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Dominant Species Yes No	Indicator Staus FacU FacU	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator Rapid test for hydrop Dominance test is >! Prevalence index is : Morphogical adaptat separate sheet) Problematic hydroph 'indicators of hydric soil and wet	145 x 4 = 550 x 5 = 0 240 (A) 815 (B) 3.395833333 s: hyto vegetation 10% s3.0° sons* (provide supporting data in Remarks or or cons* (provide supporting data in Remarks or or
6 7 8 9 10	C63	) Absolute % Cover 100 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Dominant Species Yes No	Indicator Staus FacU FacU	FAC species FACU species UPL species Column totals Prevalence Index = B/A = Hydrophytic Vegetation Indicator Rapid test for hydrop Dominance test is >! Prevalence index is : Morphogical adaptat separate sheet) Problematic hydroph 'indicators of hydric soil and wet	145 x 4 = 580 x 5 = 0 240 (A) 815 (B) 3.395833333 s. hytic vegetation 10% s3.0° ions* (provide supporting data in Remarks or control of the c

	Matrix		2 91 3 9131	24	Redox Features	12 100	Texture	Remarks
(inches) 0-8	Color (moist)	100	Color (moist)	%	Type*	Loc**	071	100000000000000000000000000000000000000
8-20	10 YR 3/2 10 YR 4/3	100	None None				Sit loam Sandy loam	
6-20	10 11473	100	ryone			er ore come	Sandy loam	
*******		*********						
		U	***************************************			1844 C 1844 C 1844		
100-100-100-100-100-100-100-100-100-100	40)171144411111144111	11000000		32-34(4)  194			301117-0111-0111-0111-0	(11 ***********************************
*Type: C=Co	ncentration, D=D	epletion,	RM=Reduced M	atrir, CS	Covered or Coated Sand  Coated Sand	Grains	٠٠١	ocation: PL=Pore Lining, M=Matrix
Hydric Soil In	dicators:						Indicators for Problem	atic Hydric Soi's*;
Histisol (	A1)						2 cm Muck (A1	0) (LRR K, L, MLRA 149B
	ipedon (A2)		Polyvalu	e Below	Surface (S8) (LRR R, ML	RA 149B)		Redox (A16) (LRR K, L, R)
Black His			Limit .			ut 1400)		eat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Thin Dar	k Surfac	e (S9) (LRR R, MLRA 149	В		S7) (LRR K, L
								2011000000
	Layers (A5)	5800VA	11 years	2 - 10 - 112				w Surface (S8) (LRR K, L)
	Below Dark Sufa				neral (F1) (LRR K, L)			ace (S9) (LRR K, L)
	rk Surface (A12)				latrix (F2)			se Masses (F12) (LRR K, L, R)
	ucky Mineral (S1		Depleted					dplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)	0			ace (F6)			TA6) (MLRA 144A, 145, 149B)
	edox (S5)				urface (F7)		Red Parent Ma	
	Matrix (S6)		Redox D	epressio	ons (F8)			Dark Surface (TF12)
149B)	face (S7) (LRR F	, MLKA					Other (Explain	in Remarks)
	hydrophytic vege	etation an	nd weltand hydrol	ogy mus	t be present, unless distur	bed or problematic	:	
Type: Depth (inches	yer (if observed)	*****	None				Hydric soil pr	resent? No
Type:	<b>5)</b> ;	*****	42111114 42111114	-11/17			Hydric soil pr	esent? No
Type: Depth (inches Remarks:	icators.	*****	42111114 42111114	-11.00			Hydric soil pr	resent? No.
Type: Depth (inches Remarks: No hydric ind	icators.		42111114 42111114					
Type: Depth (inches Remarks: No hydric ind  HYDROLO Primary Indica Surface V	GY ators (min/mum o		equired, check a	I that ap	ply) d Leaves (B9)			Secondary Indicators (minimum of two
Type: Depth (inches Remarks: No hydric ind  HYDROLO Primary Indic. Surface V High Wats	GY ators (minimum o		equired, check a Wate Aqui	I that aper-Stainer	ply) d Leaves (89) a (813)			Secondary Indicators (minimum of two Surface Sol Cracks (BS) Dranage Patters (B10)
Type: Depth (inches Remarks: No hydric ind  HYDROLO Primary Indic. Surface V High Wate Saturation	GY ators (minimum o vater (A1) er Table (A2)		equired, check a Wate Aqui Mat	I that ap er-Staine- at c Faun Deposits	ply) 3 Leaves (89) a (813) a (815)			Secondary Indicators (minimum of two Surface Soil Cracks (B6) Drainage Patients (B10) Moss Trm Lines (B16)
Type: Depth (inches Remarks: No hydric ind  HYDROLO Primary Indic. Surface V High Water Saturation Water Ma	GY ators (minimum o Vater (A1) er Table (A2) n (A3)		equired, check a Wate Aqui Mat	I that ap er-Staine- at c Faun Deposits	ply) d Leaves (89) a (813)			Secondary Indicators (minimum of two Surface Soil Cracks (B5) Dranage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2)
Type: Depth (inches Remarks: No hydric ind  HYDROLO Primary Indic. Surface V High Wate Saturation Water Ma Sed ment	GY actors (Minimum o Vater (A1) or Table (A2) r (A3) r (A3) Deposts (B2)		equired, check al Walk Aqui Mart Hydr	I that ap er-Staine sto Faun Deposits ogen Su	p(y) 5 Leaves (B9) a (B15) 5 (B15) #de Odor (C1)			Secondary Indicators (minimum of two Surface Soil Cracks (86) Drainage Patients (810) Moss Trm Lines (816)
Type: Depth (inches Remarks: No hydric ind  HYDROLO Primary Indica Surface V High Water Saturation Water Ma Sed ment Deft Depc	GY ators (minimum o Vater (A1) er Table (A2) r (A3) r is (B1) Oeposts (B2)		equired, check a Wals Aqui Mari Hyde	I that ap er-Staine sto Faun Deposits ogen Su	ply) d Leaves (B9) a (B13) (G15) fide Odor (C1) tospheres on Living Roots (	C3)		Secondary Indicators (minimum of two Surface Sol Cracks (B8) Dranage Patterns (B10) Moss Trm Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Type: Depth (inches Remarks: No hydric ind  HYDROLO Primary Indic. Surface V High Wats Saturation Visite M Sed ment Dnt Depo Algal Mat	GY ators (minimum o Valer (A1) er Table (A2) (A3) (A3) Deposts (B2) ssts (B3)		equired, check a Wals Aqui Mari Hyde	I that ap er-Staine sto Faun Deposits ogen Su	p(y) 5 Leaves (B9) a (B15) 5 (B15) #de Odor (C1)	C3)		Secondary Indicators (minimum of two Surface Sci Crecks (B6) Dranage Patterns (B10) Moss Trm Lines (B16) Dry-Season Water Table (C2) Crayfah Burrows (C8) Sabraton Visible on Aeriel Imagery (C
Type: Depth (inches Remarks: No hydrio ind  HYDROLO Primary Indic. Surface V Hgh Wats Saturator Water Ma Sed ment Dr.ft Depc Algal Mat Iron Depo	GY ators (minimum o Vater (A1) er Table (A2) n (A3) n (A3) peposts (B2) sosts (B3) or Crust (B4) scts (B5)	of one is r	equired, check al Wate Aqui Mart Hydr Oxid Pres	I that ap er-Staine- ate Faun Deposits ogen Su ized Rhiz ence of F	ply) d Leaves (89) a (813) s (815) ifde Odor (C1) tospheres on Living Roots (1 Reduced Iron (C4)			Secondary Indicators (minimum of two Surface Scil Cracks (B6) Drainage Patterns (B10) Moss Tirm Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sabration Visible on Aerial Imagery (C Shunted or Stressed Plants (D1)
Type: Depth (inches Remarks: No hydrio ind  HYDROLO Primary Indic. Surface V Hgh Wats Saturator Water Ma Sed ment Dr.ft Depc Algal Mat Iron Depo	GY ators (minimum o vater (A1) er Table (A2) n (A3) n (A3) or Crust (B4) ets (B5) ets (B4) ets (B5) ets (B4) ets (B5) et	of one is r	equired, check al Wate Aqui Mari Hydr Oxid Pres	I that ap er-Staine ste Faun Deposits ogen Su ized Rhiz ence of F ent Iron R	ply) d Leaves (B9) a (B13) (G15) fide Odor (C1) tospheres on Living Roots (			Secondary Indicators (minimum of two Surface Soil Cracks (B8) Drainage Patterns (B10) Moss Trm Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Sturted or Stressed Plants (D1) Geomorphic Poston (D2)
Type: Depth (inchest Remarks: No hydric ind  HYDROLO Primary Indic. Surface V High Wats Saturation Vater Ma Sed ment Dert Depe Agal Mat tron Depo Invader (imagery (i Sparsey) Sparsey)	GY ators (minimum o Vater (A1) er Table (A2) ((A3) riss (B1) Deposts (B2) softs (B3) or Crust (B4) soft (B5) n Vable on Aerial B7)	of one is r	equired, check al Wate Aqui Mari Hyde Orid Pres Rece Thin	I that aper-Staine- sto Faun Deposits ogen Su ized Rha ence of F ent Iron R Muck Su	ply) d Leaves (89) a (813) (615) fide Odor (C1) tospheres on Living Roots (Reduced Iron (C4)			Secondary Indicators (minimum of two Surface Scil Cracks (B6) Drainage Patterns (B10) Moss Tirm Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sabration Visible on Aerial Imagery (C Shunted or Stressed Plants (D1)
Type: Depth (inchest Remarks: No hydric ind  HYDROLO Primary Indic- Surface V High Wath Saturation Unit Depo Inundation Indices Invalory (inchest)	GY ators (minimum o Vater (A1) er Table (A2) ((A3) riss (B1) Deposts (B2) softs (B3) or Crust (B4) soft (B5) n Vable on Aerial B7)	of one is r	equired, check al Wate Aqui Mari Hyde Orid Pres Rece Thin	I that aper-Staine- sto Faun Deposits ogen Su ized Rha ence of F ent Iron R Muck Su	ply) I Leaves (B9) a (B13) b (B15) fide Odor (C1) tospheres on Living Roots (Reduced Iron (C4) trise (C7)			Secondary Indicators (minimum of two Surface Soil Cracks (B5) Dranage Patterns (B10) Moss Trm Lines (B16) Dry-Season Water Table (C2) Crafsh Burrows (C8) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (D1) Geomorphic Poston (D2) Shallow Aputad (D3)
Type: Depth (inches Remarks: No hydric ind  HYDROLO Primary Indic. Surface V High Wate Saturation Water Ma Sed ment Drift Depo Algal Mat Iron Depo Inundation Inundation Sparacely Sparacely Sparacely Sparacele Field Observa	GY ators (minimum of vater (A1) or (A3) or (A3) or (Crust (B4) sta (B3) or (Crust (B4) sta (B4) sta (B4) or (Crust (B4) sta	of one is r	equired, check al Wate Aqui Mari Hyde Oxid Pres Reco Thin Othe	I that ap er-Stainer ste Faun Deposits ogen Su ized Rhiz ence of F ent Iron R Muck Sur (Explain	ply) d Leaves (B9) a (B13) (G15) ifde Odor (C1) tospheres on Living Roots (Reduced Iron (C4) Reduced Iron (C4) risee (C7) n in Remarks)			Secondary Indicators (minimum of two Surface Soil Cracks (86) Drainage Patierns (810) Moss Tran Lines (816) Dry-Season Water Table (C2) Crayfoh Burrows (C8) Saturation Visible on Areal Imagery (C Sturted or Stressed Plants (D1) Geomorphic Poston (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: Depth (inches Remarks: No hydric ind  HYDROLO Primary Indicas Surface V High Wata Saburator Unit Depo Inundator Indicase Ingravely Surface (E Sparsely Surface (E Field Observa Surface water	GY ators (minimum o Vater (A1) er Table (A2) ((A3) Deposts (B2) sets (B3) or Crust (B4) sets (B5) n B7) Vegetated Concav asta	of one is r	equired, check al Wate Aqui Mart Hyde Ovidd Pres Rece Thin Othe	I that aper-Stainers to Faun Deposits orgen Sui izzed Rhiz ence of F ent Iron R Muck Sur (Explain	ply) I Leaves (B9) a (B13) s (B15) fide Odor (C1) toospheres on Living Roots (Reduced Iron (C4) reduced Iron (C4) rise (C7) n in Remarks)  Depth (inches):			Secondary Indicators (minimum of two Surface Soil Cracks (86) Drainage Patierns (810) Moss Tran Lines (816) Dry-Season Water Table (C2) Crayfoh Burrows (C8) Saturation Visible on Areal Imagery (C Sturted or Stressed Plants (D1) Geomorphic Poston (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: Depth (inchest Remarks: No hydric ind  HYDROLO Primary Indic. Surface V High Wats Saburation Vister Ma Sed ment Drift Depo Inundation Imagery (i Sparsety) Surface (is Field Observa Surface water Water table p	GY ators (minimum o Vater (A1) er Table (A2) n (A3) rks (B1) Deposts (B2) srks (B3) or Crust (B4) sks (B6) n Vable on Aerial B7) vegetated Concav B8) atons: r present?	of one is r	equired, check al Wate Aqua Mart Hydr Oxid Pres Rece Thin Othe	I that apper-Stainer at a Faund Deposits ogen Suized Rhizence of Function Find Muck Sur (Explain	ply) d Leaves (89) a (813) is (815) if de Odor (C1) tospheres on Living Roots (1 educed iron (C4) teduced iron (C4) in in Remarks)  Depth (inches): Depth (inches):			Secondary Indicators (minimum of two Surface Scil Cracks (B6) Drainage Patterns (B10) Moss Tirm Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sabration Visible on Aerial Imagery (C Shunted or Stressed Plants (D1) Geomorphic Poston (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)
Type: Depth (inches Remarks: No hydric ind  HYDROLO Primary Indicas Surface V High Wata Saburator Unit Depo Inundator Indicase Ingravely Surface (E Sparsely Surface (E Field Observa Surface water	GY ators (minimum o vater (A1) er Table (A2) (A3) er Table (A2) (A3) or Crust (B4) ests (B5) n Vs.ble on Aerial B7) vegetated Concava sations: r present? resent?	of one is r	equired, check al Wate Aqui Mart Hyde Ovidd Pres Rece Thin Othe	I that apper-Stainer at a Faund Deposits ogen Suized Rhizence of Function Find Muck Sur (Explain	ply) I Leaves (B9) a (B13) s (B15) fide Odor (C1) toospheres on Living Roots (Reduced Iron (C4) reduced Iron (C4) rise (C7) n in Remarks)  Depth (inches):			Secondary Indicators (minimum of two Surface Soil Cracks (86) Drainage Patierns (810) Moss Tran Lines (816) Dry-Season Water Table (C2) Crayfoh Burrows (C8) Saturation Visible on Areal Imagery (C Sturted or Stressed Plants (D1) Geomorphic Poston (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: Depth (inches Remarks: No hydric ind  HYDROLO Primary Indic. Surface V High Wate Saturation Vister Ma Sed ment Drift Depo Algal Mat Iron Depo Inundation Inungary (i Sparsely) Surface (i Field Observa Surface water Water table ps Saturation pre (includes capi	GY  ators (minimum or vister (A1) or Table (A2) or (A3) or Crust (B4) sits (B2) osts (B3) or Crust (B4) sits (B5) or Aerial B7) Visible on Aerial B7) sits (B5) atoms: present? resent? resent?	Yes Yes Yes	equired, check al Wate Aqui Mari Hyde Oxid Pres Recc Thin Othe No No	II that appers Stance and Comments of the Comm	ply) d Leaves (89) a (813) is (815) if de Odor (C1) tospheres on Living Roots (1 educed iron (C4) teduced iron (C4) in in Remarks)  Depth (inches): Depth (inches):			Secondary Indicators (minimum of two Surface Scil Cracks (B6) Drainage Patterns (B10) Moss Tirm Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sabration Visible on Aerial Imagery (C Shunted or Stressed Plants (D1) Geomorphic Poston (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)
Type: Depth (inches Remarks: No hydric ind  HYDROLO Primary Indic. Surface V High Wate Saturation Vister Ma Sed ment Drift Depo Algal Mat Iron Depo Inundation Inungary (i Sparsely) Surface (i Field Observa Surface water Water table ps Saturation pre (includes capi	GY  ators (minimum or vister (A1) or Table (A2) or (A3) or Crust (B4) sits (B2) osts (B3) or Crust (B4) sits (B5) or Aerial B7) Visible on Aerial B7) sits (B5) atoms: present? resent? resent?	Yes Yes Yes	equired, check al Wate Aqui Mari Hyde Oxid Pres Recc Thin Othe No No	II that appers Stance and Comments of the Comm	ply) d Leaves (B9) a (B13) s (B15) fide Odor (C1) respheres on Living Roots (C8) reduced Iron (C4) reduced Iron (C4) rise (C7) n in Remarks)  Depth (inches): Depth (inches): Depth (inches):			Secondary Indicators (minimum of two Surface Soil Cracks (86) Drainage Patterns (810) Moss Trm Lines (816) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (O1) Geomorphic Poston (O2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relef (D4)

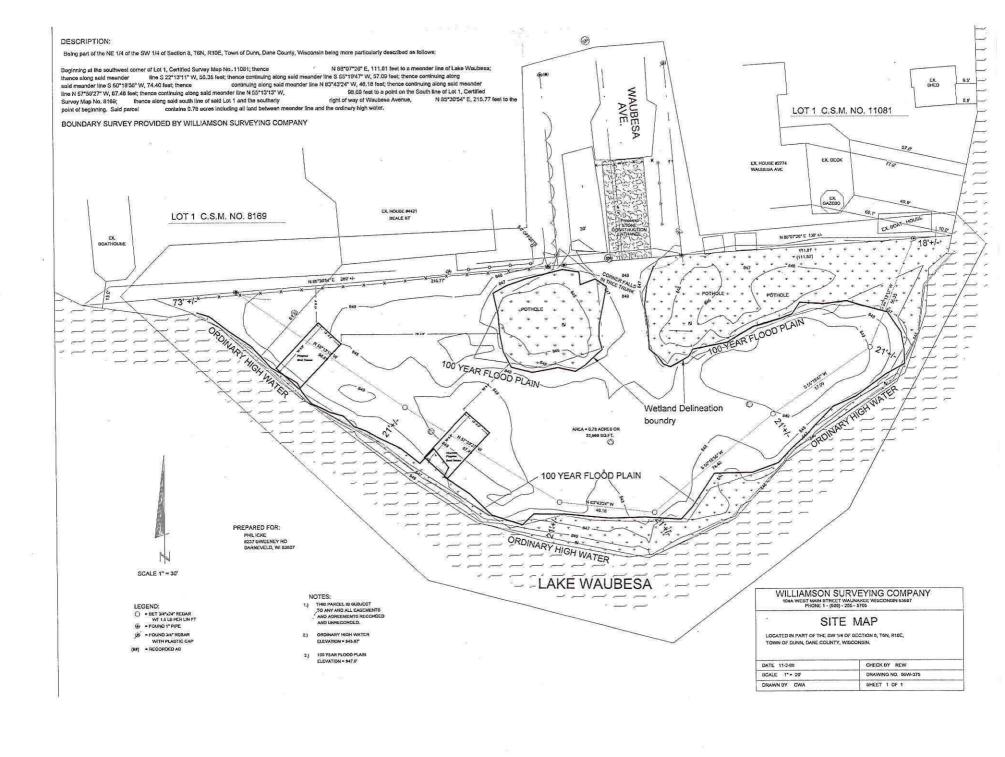
roject/Ste: Icke Prop pplicant/Owner. Privest/Spattor(s): Scott Tay, andform (hillSto) Slope (%): O Soil Map Unit N.G we climatichydrologic con tre vegetation If needed, erplain any an	for for terrac Lat.: 42 for terrac Lat.: 42 framby loar for soil soil	ny sand te typical for , or hydro , or hydro	(Gn this to	ON(89.341 ) ne of the year? significa	State: WI Section, Township Ocal relief (Co	oncave, convex, n: UTM 16N www.classification: (It no, explain	Section 8 (NESW), T6N, R10E none): Concave None	
SUMMARY OF FIND Hydrophytic vegetation pr Hydric soil present? Welland hydrology preser	esent?	Yes Yes Yes	a	Is the samp If yes, opto	ded area within a wet nal wetland side ID:	and? Yes		
Remarks: (Explain alterna Precipitation in the 3 mon Regional Airport. There w	the procedures this preceding the ras no rain 6 da	here or in a le fieldwork w ys prior to the	separa vas vai e feldv	ite report) iable (May-Norm vork but there wa	ial; June-Wet; July-Dr is nearly 2° of rain on	y) according to NOAA onl one day 7 days prior to th	ne weather data & USDAWETS data for Madison, Dane Co. e fieldwork	
VEGETATION - Use	scientific nam	nes of plant	ts					
Tree Stratum 1	Plot Size (	314 sf	)	Absolute % Cover	Dominant Species	Indicator Staus	Tree Stratum Saping:Shrub Stratum Herb Stratum Woody Vine Stratum	20% 50% 0 0 25 63 0 0 0 0
3 4 5 6 7		41/100 A					Dominance Test Worksheet	
8 9 10					Total Cover	20020000000000000000000000000000000000	Number of Dominant Species that are OBL, FACW, or F/ Total Number of Dominant Species Across all Strata	
Sapling/Shurb Stratum	Plot Size ( Comus a ba bis americanum	314 sf	)	Absolute % Cover 90 15	Dominant Species Yes No	Indicator Staus FacW FacW	Percent of Dominant Species that are OBL, FACW, or FA	AC: 100% (A/B)
	nus pennsylvan Salk nigra	ca		10	No No	FacW Obl	Prevalence Index Worksheet Total % Cover of: OBL species FACW species FAC species FACU species FAUL species UPL species UPL species	x3= 0 x4= 0 x5= 0
9 10 Herb Stratum	Piot Size (	78.5 sf		125 = Absolute % Cover	Total Cover Dominant Species	Indicator Staus	UPL species Column totals 125 Prevalence Index = B/A = Hydrophytic Vegetation Indicators:	(A) 240 (B) 1.92
1 2 3		(1)		\$6.000 (1110)		And the second s	Rapid test for hydrophytic vegetation  X Dominance test is >50%  Prevalence index is ≤3.0*	
4 5 6 7				(((((((((((((((((((((((((((((((((((((((			Morphogical adaptations* (provide supporting separate sheet)  Problematic hydrophytic vegetation* (explaints)	
8 9 10 11				10000000000000000000000000000000000000		20000000000000000000000000000000000000	*Indicators of hydric soil and wetland hydrology must be or problematic	a present, unless disturbed
Woody Vine Stratum	Plot Size (	314 sf	)	() : Absolute % Cover	= Total Cover Dominant Species	Indicator Staus		
2 3 4				E-11-11-11-11-11-11-11-11-11-11-11-11-11		0.71.0000000000000000000000000000000000	Hydrophytic vegetation present? Yes	
Remarks: (Include phot The plot was in an area	o numbers here of thick brush.	or on a sena	arate s	heet)	= Total Cover y empty of herbaceou		Hydrophytic vegetation present? Yes	,

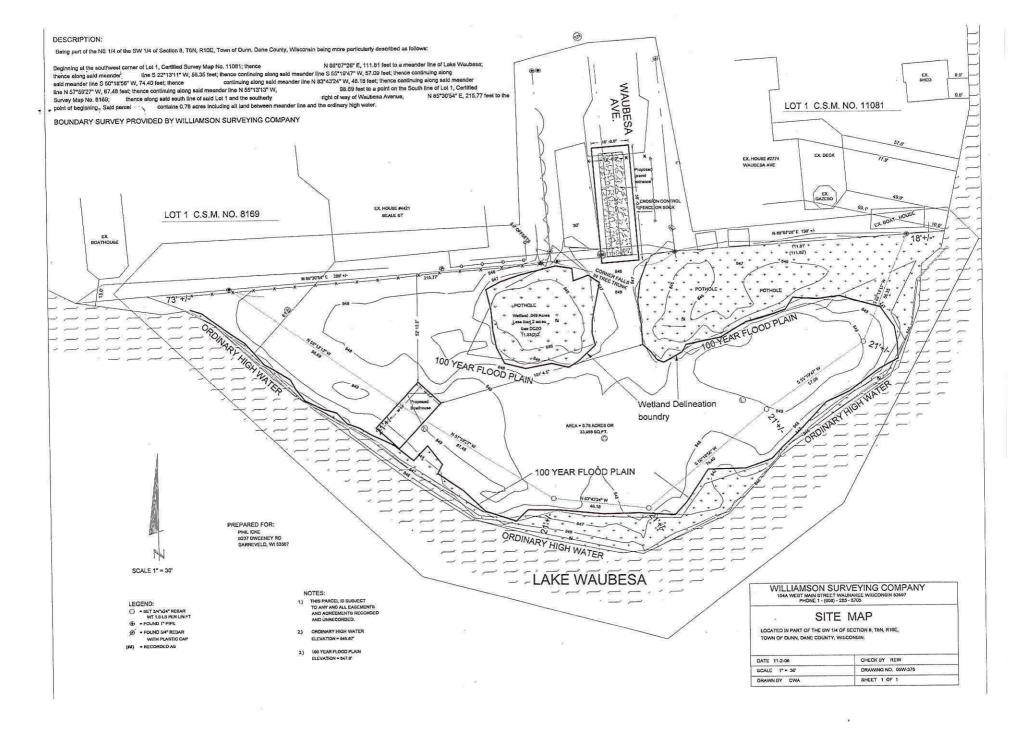
	riston (Describe to	the dep	th needed to docu	ment the			ence of indica	tors)		1	Annual Control
Depth (Inches)	Matrix Color (moist)	%	Color (moist)	%	Redox Fea	pe*	Lo	c**	Texture		Remarks
0-10	10 YR 2/2	100	None	72	- '1	i pe			Muck		
10-20	10 YR 3/2	100	None				TVIE-ELEVIER		Mucky peat		*****************************
		udals.				27/27/2017					
		ecountry.									
		20104(1)						***********			
	440-003)3(0)3-0-00	****	21 11 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1			201111110100	***************************************	1130410418			
*Type: C=C	oncentration, D=D	epletion,	RM=Reduced N	latrix, CS	S=Covered or C	Coated Sand	l Grains			Location: PL=F	Pore Lining, MeMatrix
Hydric Soll	Indicators:								Indicators for Problem	natic Hydric So	ds*:
SERVE SERVE	NAME OF TAXABLE PARTY.								2 11 /4	10\ /1 DD V	, MLRA 149B
X Histisol			Debess	n. D.I.	V Surface (S8)	ann n III	DA 446D)			Redox (A16) (	
	pipedon (A2)		Polyvas	ne Below	V Surface (So)	(LKK K, ML	(CA 143B)				3) (LRR K, L, R)
	Estic (A3)		This D	ak Curfs	ce (S9) (LRR F	D LUI DA 14	6 D			(S7) (LRR K,	
Hydrog	en Sulfde (A4)		Thin O	ork Suria	ce (23) (FUV L	A, MERCA 14	30		Dark Soriace	(SI) (ERICK)	
									Dippy water and attraction	W. C. V. V. D. S. V. C.	
	d Layers (A5)				F (#74) # 5	D V 11					8) (LRR K, L)
	ed Below Dark Suf	ice (A11	711		fineral (F1) (LF	(KK,L)				face (S9) (LRI	
	ark Surface (A12)				Matrix (F2)						12) (LRR K, L, R)
	Mucky Mineral (S1			d Matrix							F19) (MLRA 149B)
	Gleyed Matrix (S4)				face (F6)						144A, 145, 149B)
	Redox (S5)				Surface (F7)				Red Parent N		7540
	d Matrix (S6)			Depressi	ions (F8)					Dark Surface (	
	urface (S7) (LRR F	t, MLRA							Other (Explain	n in Remarks)	
149B)	of hydrophytic year	station a	nd weltand bydro	door mu	st he present i	unless distu	rhed or prob!	ematic			
'Indicators Restrictive	of hydrophytic veg Layer (if observed)		nd weltand hydro	ology mu	st be present, i	unless distu	rbed or probl	ematic	Hydric soil ;	oresent?	Yes
'Indicators	Layer (if observed)		95.	ology mu	st be present, i	uniess distui	rbed or prob!	ematic	Hydric soil j	oresent?	Yes
'Indicators Restrictive Type:	Layer (if observed)		95.	ology mu	st be present, i	uniess distu	rbed or prob!	ematic	Hydric soil ;	oresent?	Yes
'indicators  Restrictive  Type:  Depth (inch	Layer (if observed)		95.	ology mu	st be present, i	uniess distu	rbed or prob!	ematic	Hydric soil ;	oresent?	Yes
'indicators  Restrictive  Type:  Depth (inch	Layer (if observed)		95.	ology mu	st be present, i	unless distu	rbed or probl	ematic	Hydric soll j	oresent?	Yes
*Indicators  Restrictive   Type: Depth (inch  Remarks:	Layer (if observed)		95.	ology mu	st be present, i	uniess distu	rbed or probl	ematic	Hydric soll j	oresent?	Yes
*Indicators  Restrictive   Type: Depth (inch Remarks:	Layer (if observed) les):		None		22   25	uniess distu	rbed or probl	ematic	Hydric soll j	oresent?	Yes
*Indicators  Restrictive   Type: Depth (inch Remarks:	Layer (if observed)		None		22   25	uniess distu	rbed or probl	ematic	Hydric soil j		Yes Yes advantage of two re
Restrictive I Type: Depth (inch Remarks: HYDROL Primary Ind	Layer (if observed) ies): OGY ficators (minimum o		None required; check	all that a	pply)		rbed or probi	ematic	Hydric soil j	Secondary In	310000000000000000000000000000000000000
"Indicators  Restrictive I Type: Depth (inch Remarks:  HYDROL Primary Ind Surface	Layer (if observed)  OGY  Ecators (minimum o		None required; check	all that ap	pply) ed Leaves (89)		rbed or probl	ematic	Hydric soil j	Secondary In Surface Sc	id-cators (minimum of two re
"Indicators  Restrictive I Type: Depth (inch Remarks:  HYDROL Primary Ind Surface Hgh W	Layer (if observed)  OGY  Scattors (minimum of cattors (minimum of		None required; check Wa	all that a	pply) ed Leaves (89) na (813)		rbed or probl	ematic	Hydric soil j	Secondary In Surface Sc Drainage F	nd-cators (minimum of two re
"Indicators  Restrictive I Type: Depth (inch Remarks:  HYDROL Primary Indicators  Hyb W X Sabrat	Layer (if observed)  OGY  Ecators (minimum o		required; check	all that ap	pply) ed Leaves (89) na (813)		rbed or probl	ematic	Hydric soll j	Secondary In Surface So Drainage F Moss Trim X Dry-Season	idicators (minimum of two re il Cracks (B5) atterns (B10) Lines (B16) n Water Table (C2)
Restrictive in Type: Depth (inch Remarks:  HYDROL Primary Ind Surface High W X Sabrat Water I	OGY feators (minimum o s Water (A1) ater Table (A2) on (A3)		required; check	all that ap	pply) ed Leaves (89) na (813) ts (815)		rbed or probl	ematio	Hydric soil j	Secondary In Surface So Drainage F Moss Trim X Dry-Season	ndicators (minimum of two re il Cracks (BB) adterns (B10) Lines (B16)
Restrictive Type: Depth (nch Remarks: HYDROL Primary IL Surface High W X Sabrat Vider I Sedme	OGY  Reators (minimum of Water (A1) later Table (A2) ion (A3) Water (B1)		required; check Wa Aq Ma	all that all ter-Stains usto Fau of Deposit drogen St drogen St	pply) ed Leaves (89) na (813) ts (815) uikda Odor (C1) vizospheres on l	). Living Roots		ematio	Hydric soil j	Secondary In Surface So Drainage F Moss Trim X Dry-Seaso Crayfish Br	odicators (minimum of two re of Cracks (B6) atterns (B10) Lines (B16) n Water Table (C2) urrows (C8)
Restrictive Type: Depth (inch Remarks:  HYDROL Primary Ind Surface High W X Sabrat Viater I Sort De	OGY  Reators (minimum of Water (A1) later Table (A2) lon (A3) varis (B1) ratio Deposits (B2)		required; check Wa Aq Ma	all that all ter-Stains usto Fau of Deposit drogen St drogen St	pply) ed Leaves (89) na (813) ts (815) urida Odor (C1)	). Living Roots		ematic	Hydric soll j	Secondary In Surface Sc Drainage F Moss Trim X Dry-Seaso Crayfish B: Saburation	idicators (minimum of two re idicators (86) atterns (810) Lines (816) n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9
Restrictive I Type: Depth (inch Remarks:  HYDROL Primary Ind Surface High W X Saburat Vister I Sedime Drit De Algal M	OGY  Ecators (minimum os Water (A1) later Table (A2) on Table (A2) on Table (A3) later Table (A3) posts (B1) mt Deposts (B2) posts (B3)		required; check Wa Aq Ma Hy Ox	all that ap ter-Stains usto Fau in il Deposi drogen Si idized Rh issence of	pply) ed Leaves (89) na (813) is (815) ulfide Odor (C1) vizospheres on I Reduced Iron (	) Living Roots C4)	(C3)	ematio	Hydric soil j	Secondary In Surface Sc Drainage P Moss Trim X Dry-Seaso Crayfish B: Saturation Stunted or	idicators (minimum of two re il Cracks (85) atterns (810) Lines (816) n Water Table (C2) urus de C2 Visible on Aerial Imagery (C9 Stressed Plants (D1)
Restrictive Injection of the Injection o	COGY  Feators (minimum of the Water (A1)  ster Table (A2)  on (A3)  Varis (B1)  ntt Deposts (B2)  posts (B3)  at or Cnst (B4)  posts (B5)  ton Va ble on Aerial	of one is	required; check Wa Aq Ma Hy Ox Pre	all that ap ter-Stamu usto Fau url Deposit drogen Sr dized Rh reence of cent Iron	ppły) ed Leaves (B9) na (B13) ts (B15) ts/de Odor (C1) tizospheres on I Reduced Iron (	) Living Roots C4)	(C3)	ematio	Hydric soil j	Secondary In Surface So Drainage F Moss Trim X Dry-Seaso Crayfish B: Satured or X Geomorph	odicators (min/mum of two re il Cracks (B8) atterns (B10) Lines (B16) in Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9 Stressed Plants (D1) io Poston (D2)
Restrictive Injure Indicators  Restrictive Injure Income Injure Indicators  HYDROL  Primary Ind Surface High W  X Saturat Vister It Sedme Drit De Algal IM  Iron De Inundat Imagen	OGY  Ecators (minimum of Water (A1) taker Table (A2) ton (A3) tars (B3) at or Cnst (B4) posts (B3) to to Value (B4) posts (B5) ton Value (B4) posts (B5) ton Value (B4) posts (B5)	of one is	required; check Wa Aq Ma Hy Ox Pro	all that ap ther-Stamm unate Fau of Deposit drogen St drogen St drogen St drogen St drogen St drogen St drogen St	pply) ed Leares (B9) as (B15) utide Odor (C1) izzospheres on I Reduced Iron ( Reduction In Ti	) Living Roots (C4)	(C3)	ematio	Hydric soll j	Secondary In Surface Sc Drainage F Moss Trim X Dry-Seaso Crayfish B Saturation Stunted or X Geomorph Shallow As	idicators (minimum of two re il Cracks (B5) arterns (B10) Lines (B15) n Vister Table (C2) urrows (C8) Visble on Aerial Imagery (C9 Stressed Piants (D1) io Poston (D2) urrad (D3)
Restrictive I Type: Depth (inch Remarks: HYDROL Primary Ind Surface Hyb W X Saburat Vider I Set India I Maga I M Iron De Inundat I Imagen, Sparse	OGY  Ecators (minimum os Water (A1) siter Table (A2) on (A3) Jaris (B1) arto Deposts (B3) at or Crust (B4) posts (B3) ton Va ble on Aerial y (B7)	of one is	required; check Wa Aq Ma Hy Ox Pro	all that ap ther-Stamm unate Fau of Deposit drogen St drogen St drogen St drogen St drogen St drogen St drogen St	ppły) ed Leaves (B9) na (B13) ts (B15) ts/de Odor (C1) tizospheres on I Reduced Iron (	) Living Roots (C4)	(C3)	ematic	Hydric soil j	Secondary In Surface Sc Drainage Moss Tirm X Dry-Season Crayfish B: Sturted on Sturted or X Geomorph X Geomorph X FAC-Neutr	idicators (minimum of two re il Cracks (B6) Patterns (B10) Lines (B16) I Water Table (C2) Juster Table (C2) Visible on Aerial Imagery (C9 Stressed Plants (D1) io Poston (D2) put and (D3) at Test (D5)
Restrictive Injure Indicators  Restrictive Injure Income Injure Indicators  HYDROL  Primary Ind Surface High W  X Saturat Vister It Sedme Drit De Algal IM  Iron De Inundat Imagen	OGY  Ecators (minimum os Water (A1) siter Table (A2) on (A3) Jaris (B1) arto Deposts (B3) at or Crust (B4) posts (B3) ton Va ble on Aerial y (B7)	of one is	required; check Wa Aq Ma Hy Ox Pro	all that ap ther-Stamm unate Fau of Deposit drogen St drogen St drogen St drogen St drogen St drogen St drogen St	pply) ed Leares (B9) as (B15) utide Odor (C1) izzospheres on I Reduced Iron ( Reduction In Ti	) Living Roots (C4)	(C3)	ematic	Hydric soil j	Secondary In Surface Sc Drainage Moss Tirm X Dry-Season Crayfish B: Sturted on Sturted or X Geomorph X Geomorph X FAC-Neutr	idicators (minimum of two re il Cracks (B5) arterns (B10) Lines (B15) n Vister Table (C2) urrows (C8) Visble on Aerial Imagery (C9 Stressed Piants (D1) io Poston (D2) urrad (D3)
Restrictive I Type: Depth (inch Remarks: HYDROL Primary Ind Surface Hyb W X Saburat Vider I Set India I Maga I M Iron De Inundat I Imagen, Sparse	OGY  Scators (minimum os Water (A1) ater Table (A2) on (A3) Jaris (B1) int Deposts (B3) at or Chat (B4) posts (B3) to or Vasible on Aerial y (B7) y (B7)	of one is	required; check Wa Aq Ma Hy Ox Pro	all that ap ther-Stamm unate Fau of Deposit drogen St drogen St drogen St drogen St drogen St drogen St drogen St	pply) ed Leares (B9) as (B15) utide Odor (C1) izzospheres on I Reduced Iron ( Reduction In Ti	) Living Roots (C4)	(C3)	ematic	Hydric soll j	Secondary In Surface Sc Drainage Moss Tirm X Dry-Season Crayfish B: Sturted on Sturted or X Geomorph X Geomorph X FAC-Neutr	idicators (minimum of two re il Cracks (B6) Patterns (B10) Lines (B16) I Water Table (C2) Juster Table (C2) Visible on Aerial Imagery (C9 Stressed Plants (D1) io Poston (D2) put and (D3) at Test (D5)
Restrictive I Type: Depth (inch Remarks:  HYDROL Primary Inde Surface High W X Saburat Vister I Sedime Drit De Algal M Iron De Ioundal Imager Sparse Surface Field Obser	OGY  Scators (minimum os Water (A1) ater Table (A2) on (A3) Jaris (B1) int Deposts (B3) at or Chat (B4) posts (B3) to Nation (A3) vig (B7) vig (B7) vig (B7) vig (B7) vig (B8)	of one is	required; check Wa Aq Ida Hy Ox Pro Re Th	all that ap ther-Stamm unate Fau of Deposit drogen St drogen St drogen St drogen St drogen St drogen St drogen St	pply) ed Leaves (89) as (815) utide Odor (C1) izospheres on I Reduced Iron ( Reducton Iro iburface (C7) an in Remarks)  Depth (inche	) Living Roots (C4) Field Soils (C6)	(C3)	ematic		Secondary In Surface Sc Drainage Moss Tirm X Dry-Season Crayfish B: Sturted on Sturted or X Geomorph X Geomorph X FAC-Neutr	idicators (minimum of two re il Cracks (B6) Patterns (B10) Lines (B16) I Water Table (C2) Juster Table (C2) Visible on Aerial Imagery (C9 Stressed Plants (D1) io Poston (D2) put and (D3) at Test (D5)
Restrictive I Type: Depth (inch Remarks:  HYDROL Primary Ind Surface Hyb W X Saburat I Sedme Drift De Inundal Intro De Inunda	Layer (if observed)  OGY  Ecators (minimum os Water (A1)  ater Table (A2)  one (A3)  Varis (B1)  unit Deposts (B3)  at or Crust (B4)  posts (B3)  to Vous (B4)  you (B4)  you (B5)  you (B	of one is	required; check Wa Aq Hy Ox Pro Re Th Od	all that ap ther-Stamm unate Fau of Deposit drogen St drogen St drogen St drogen St drogen St drogen St drogen St	pply) ed Leaves (89) na (813) is (815) uifida Odor (C1) izospheres on It Reduced Iron ( Reduced Iron ( Reduced Iron ( in in Remarks)  Depth (inche Depth (inche	) Living Roots (C4) lied Soils (C6	(C3)	ematic	18	Secondary In Surface Sc Drainage F Moss Trim X Dry-Seaso Crayfish B: Saburation Stunted or X Geomorph X Geomorph TAC-Neury Microtopog	idicators (minimum of two re il Cracks (86) Patterns (810) Lines (816) n Water Table (C2) urross (C8) Visible on Aerial Imagery (C9 Stressed Plants (D1) io Poston (D2) putard (D3) at Test (D5) yaphio Relief (D4)
Restrictive I Type: Depth (inch Remarks: Primary Ind Surface High W X Sabrat Water I Sed me Drit De Jundal Imagen Surface wa Water table Surface wa Water table Surface wa Water table	COGY  Ecators (minimum of swater (A1) after Table (A2) con (A5) after (B3) after Coust (B4) posts (B5) after Coust (B4) posts (B5) after posts (B5) after present?	of one is	required; check Wa Aq Ida Hy Ox Pro Re Th	all that ap ther-Stamm unate Fau of Deposit drogen St drogen St drogen St drogen St drogen St drogen St drogen St	pply) ed Leaves (89) as (815) utide Odor (C1) izospheres on I Reduced Iron ( Reducton Iro iburface (C7) an in Remarks)  Depth (inche	) Living Roots (C4) lied Soils (C6	(C3)	ematic		Secondary In Surface Sc Drainage F Moss Trim X Dry-Seaso Crayfish B: Saburation Stunted or X Geomorph X Geomorph TAC-Neury Microtopog	idicators (minimum of two re il Cracks (B6) Patterns (B10) Lines (B16) I Water Table (C2) Juster Table (C2) Visible on Aerial Imagery (C9 Stressed Plants (D1) io Poston (D2) put and (D3) at Test (D5)
Restrictive I Type: Depth (inch Remarks: Primary Ind Surface High W X Sabrat Water I Sed me Drit De Jundal Imagen Surface wa Water table Surface wa Water table Surface wa Water table	Layer (if observed)  OGY  Ecators (minimum os Water (A1)  ater Table (A2)  one (A3)  Varis (B1)  unit Deposts (B3)  at or Crust (B4)  posts (B3)  to Vous (B4)  you (B4)  you (B5)  you (B	of one is	required; check Wa Aq Hy Ox Pro Re Th Od	all that ap ther-Stamm unate Fau of Deposit drogen St drogen St drogen St drogen St drogen St drogen St drogen St	pply) ed Leaves (89) na (813) is (815) uifida Odor (C1) izospheres on It Reduced Iron ( Reduced Iron ( Reduced Iron ( in in Remarks)  Depth (inche Depth (inche	) Living Roots (C4) lied Soils (C6	(C3)	ematic	18	Secondary In Surface Sc Drainage F Moss Trim X Dry-Seaso Crayfish B: Saburation Stunted or X Geomorph X Geomorph TAC-Neury Microtopog	idicators (minimum of two re il Cracks (86) Patterns (810) Lines (816) n Water Table (C2) urross (C8) Visible on Aerial Imagery (C9 Stressed Plants (D1) io Poston (D2) putard (D3) at Test (D5) yaphio Relief (D4)
Restrictive I Type: Depth (inch Remarks: Primary Ind Surface High W X Sabrat Vister I Sedime Drit De Algal M Iron De Inundati Imager, Sparse Surface wa Water table Surface wa Water table Surface wa Water table Surface wa	COGY  Feators (minimum of a Water (A1) ster Table (A2) one (A3) Jarks (B1) uto (A3) Jarks (B3) at or Cnust (B4) posts (B3) at or Cnust (B4) posts (B3) reations: ter present? present? present? present? present?	of one is	required; check Wa Aq Ma Hy Ox Pro Re Th Od X No X No	all that all that all that all that all the standards all the same of cent from in Mock S. X.	pply) ed Leanes (B9) na (B13) ts (B15) uinda Odor (C1) izospheres on I Reduced Iron ( Reduced Ir	) Living Roots (C4) ied Soils (C6 s): s): s):	(C3)		18	Secondary In Surface Sc Drainage F Moss Trim X Dry-Seaso Crayfish B: Saburation Stunted or X Geomorph X Geomorph TAC-Neury Microtopog	idicators (minimum of two re il Cracks (86) Patterns (810) Lines (816) n Water Table (C2) urross (C8) Visible on Aerial Imagery (C9 Stressed Plants (D1) io Poston (D2) putard (D3) at Test (D5) yaphio Relief (D4)
Restrictive I Type: Depth (inch Remarks: Primary Ind Surface High W X Sabrat Vister I Sedime Drit De Algal M Iron De Inundati Imager, Sparse Surface wa Water table Surface wa Water table Surface wa Water table Surface wa	COGY  Ecators (minimum of swater (A1) after Table (A2) con (A5) after (B3) after Coust (B4) posts (B5) after Coust (B4) posts (B5) after posts (B5) after present?	of one is	required; check Wa Aq Ma Hy Ox Pro Re Th Od X No X No	all that all that all that all that all the standards all the same of cent from in Mock S. X.	pply) ed Leanes (B9) na (B13) ts (B15) uinda Odor (C1) izospheres on I Reduced Iron ( Reduced Ir	) Living Roots (C4) ied Soils (C6 s): s): s):	(C3)		18	Secondary In Surface Sc Drainage F Moss Trim X Dry-Seaso Crayfish B: Saburation Stunted or X Geomorph X Geomorph TAC-Neury Microtopog	idicators (minimum of two re il Cracks (86) Patterns (810) Lines (816) n Water Table (C2) urross (C8) Visible on Aerial Imagery (C9 Stressed Plants (D1) io Poston (D2) putard (D3) at Test (D5) yaphio Relief (D4)

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		WETLAN	ID DE	ETERMINATION	ON DATA FORM -	MOITHCEIRIAI AND IN	ortneast Region	
	Property			City/Count		ane County Sampling D. Samplin	ate: 8/11/14	
plicant/Owner. restigator(s): Scot	Philicke tt Taylor			0.13011-1-1002-1-1-1-1	State WI Section, Townshi	p, Range:	Section 8 (NESW), T6N, R10E	
indtorm (hill pe (%): 0	slope, terrac Lat.: 42	Footslop	e I	on(89.34	Local relief (d	oncave, convex, n: UTM 16N	, none): Concave	
oil Map Unit I	N:Granby loai	my sand	(Gn	1)		WM Classification: (If no, explain	None	
e camato/nydrologii e vegetation	c conditions of the s X , soil	, or hydr	ology	signifi	cantly disturbed?			
e vegetation needed, explain an	, soil ry answers in remark	, or hydr	ology	natura	illy problematic? No	Are "normal	circumstances" present? No	
	#ATTOCKETOS VOLOVOCIII A	52						
UMMARY OF FI	NDINGS							1
ydrophytic vegetatio	n present?	No		Is the sam	pled area within a wet	land? N	0	
dric soil present?	2	No No		If yes, op€	onal wetland site ID:	\$2000 CONTROL OF THE PARTY OF T	2007, 74,0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
etland hydrology pr		1000000 LE						
ecipitation in the 3 regional Airport. Then	ernative procedures months preceding th re was no rain 6 day cantly disturbed) sin	e fieldwork v s prior to the	ras va fieldn	riable (May-Norr vork but there wa	as nearly 2" of rain on	y) according to NOAA on one day 7 days prior to th	nline weather data & USDA WETS data for Madison, Dane Co. ne fieldwork. Normal circumstances were not present (and the	
	EMPHORE CANADA DA CANADA D		/05					]
EGETATION - U	lse scientific nam	ies of plant	S			2. 2		20% 50%
Tree Stratum	Plot Size (	314 sf	)	Absolute % Cover	Dominant Species	Indicator Staus	Tree Stratum	20 50
1	Populus deltoides			100	Yes	Fac	Saping/Shrub Stratum Herb Stratum	0 0 15 38
3			1005	ELECTRONISCO		TOTAL SECTION AND A SECTION AS	Woody Vine Stratum	0 0
5	***************************************			1111 40000		1000111111111	1	
				DEPOSITOR S	######################################	_::::::::::::::::::::::::::::::::::::::	Dominance Test Worksheet	
3				Amountaine		22210/7400000	Number of Deminent Species that are OBL EACH or E	AC: 1 (A)
9			20000			000000000000000000000000000000000000000	Number of Dominant Species that are OBL, FACW, or F.	000 000
				100 =	Total Cover		Total Number of Dominant Species Across all Strata	2 (B)
apling/Shurb Stratu	m Plot Size (	314 sf	)	Absolute % Cover	Dominant Species	Indicator Staus	Percent of Dominant Species that are OBL, FACW, or Fa	AC: 50% (A/B
3	***************************************	-12044141216161	555555			150500000000000000000000000000000000000	Prevalence Index Worksheet	
4			5015150 000009	KONDON PROGRAMMEN	*****************	10010000000000000000000000000000000000	Total % Cover of:	x 1 = 0
5 6				\$1000000 (CC)	100000000000000000000000000000000000000		OBL species FACW species	x 2 = 0
7 8			22774	MANAGEMENT OF THE PARTY OF THE	***************************************		I EAC energies 100	x 3 = 300 x 4 = 300
9			2000000		***************************************		UPL species	x 5 = 0
0				0 =	Total Cover	(1) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	Column totals 175 Prevalence Index = B/A =	(A) 600 (B) 3.42857143
Herb Stratum	Plot Size (	78.5 sf	)	Absolute %	Dominant	Indicator	THOUGH TO SE SECUL ANGLES WE SEED AN	
1	Poa pratensis	10.031	8	Cover 75	Species Yes	Staus FacU	Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation	
2		.301070101111					Dominance test is >50%	
3 4				***************************************	0000011100001112111	20000000000000000000000000000000000000	Prevalence index is ≤3.0*	
5				***************************************		V65000000000000000000000000000000000000	Morphogical adaptations* (provide supporti	ng data in Remarks or o
							separate sheet)	
					792220102020202040		Problematic hydrophytic vegetation* (explain	n)
7								
7 8 9		CONTRACTOR	55555C) 001112		***************************************	USA167319337555C		
7 8 9 0				50000000000000000000000000000000000000		Ample 2004 (0.0 x 1.7.2	"Indicators of hydric soil and wetland hydrology must be	present, unless disturb
7 8 9 0				2-00-10-03-03 -2-11-11-11-00-01	(1 - 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		*Indicators of hydric soil and wetland hydrology must be or problematic	present, unless disturb
7 8 9 0 1 2	DES 6:32/	100000000000000000000000000000000000000	**************************************	75 = Absolute %	: Total Cover Dominant	Indicator		present, unless disturb
7 8 9 0 1 2 Woody Vine Stratun	n Piot Size (	314 sf	)			200000000000000000000000000000000000000		present, unless disturb
7 8 9 9 0 1 1 2 Woody Vine Stratun 1				Absolute % Cover	Dominant	Indicator		present, unless disturb
7 8 9 9 0 0 11 2 2 Woody Vine Stratum 1 2 3 3				Absolute % Cover	Dominant Species	Indicator Staus		present, unless disturb
				Absolute % Cover	Dominant Species	Indicator Staus		present, unless disturb

rofile Descri								
		44.000			and the second s			
Deoth	ption: (Describe to Matrix	the dept	n needed to docur	ment the	indicator or confirm the abse Redox Features	rice of indicators )	- Linear Marie	The second secon
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc"	Texture	Remarks
0-8	10 YR 2/2	100	None				Sandy loam	
8-20	10 YR 4/4	90	10 YR 3/6	10	C	PL	Sandy clay loam	
Type: C=Co	oncentration, D=De	epletion,	RM=Reduced M	atrix, CS	S=Covered or Coated Sand	Grains	**Le	ocation: PL=Pore Lining, M=Matrix
lydric Soil Ir	ndicators:						Indicators for Problema	tic Hydric Soils*:
Histisol (						43 TET 141 DECEMBER 1		0) (LRR K, L, MLRA 149B
	pipedon (A2)		Polyvalu	je Below	Surface (S8) (LRR R, MLI	RA 149B)		edox (A16) (LRR K, L, R)
Black Hi			w					at or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfde (A4)		The Da	rk Surta	ce (S9) (LRR R, MLRA 149	В	Dark Surface (S	5/) (LKK K, L
Stratified	d Layers (A5)						Polyvalue Belo	w Surface (S8) (LRR K, L)
	d Below Dark Sufa	sce (A11)	Loamy I	Mucky M	ineral (F1) (LRR K, L)			ice (S9) (LRR K, L)
	ark Surface (A12)		2-10.4 67	-	Matrix (F2)		Iron-Manganes	e Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Deplete					Iplain Soils (F19) (MLRA 149B)
	Sleyed Matrix (S4)				face (F6)			TA6) (MLRA 144A, 145, 149B)
	Redox (S5)				Surface (F7)		Red Parent Ma	
	Matrix (S6)			Depressi	ons (F8)			ark Surface (TF12)
Dark Su	rface (S7) (LRR R	, MLRA					Other (Explain)	n Remarks)
149B)			40 AU 1010 A 10		59/1 - V - /UN - 35/4/	V 10		
ndicators o	f hydrophytic vege	etation ar	nd weltand hydrol	logy mu	st be present, unless disturt	bed or problematic		
1110 may 2// 2 am - 10// 12/00			• Faces					
estrictive L			None			1		
	ayer (if observed):		None				Hydric soil pri	esent? No
ype:			None				Hydric soil pr	esent? No
ype: Jepth (nche			None		*		Hydric soil pr	esent? No
ype: Pepth (nche Iemarks:	s):				*		THE STREET PROPERTY IN THE	esent? No
ype: Pepth (nche Iemarks:	s):			as too h	igh to meet the criteria of a	hydric soil indicate	THE STREET PROPERTY IN THE	esent? No
ype: Pepth (nche Iemarks:	s):			as too h	igh to meet the criteria of a	hydric soil indicate	THE STREET PROPERTY IN THE	esent? No
ype: Pepth (nche Iemarks:	s):			as too h	igh to meet the criteria of a	hydric so'l indicate	THE STREET PROPERTY IN THE	esent? No
ype: Pepth (nche Remarks: No hydric inc	is): dicators. The chron	ma of the	e lower horizon w		1	hydric soil indicate	THE STREET PROPERTY IN THE	esent? No.
ype: Pepth (nche Remarks: No hydric inc	is): dicators. The chron	ma of the	e lower horizon w		1	hydric soil indicate	κ.	esent? No
ype: Pepth (nohe Remarks: Rema	is): dicators. The chron	ma of the	e lower horizon w required; check a	ill that ap	1	hydric soil indicate	κ.	T
ype: Pepth (nohe Remarks: Re hydric inc  HYDROLO  Trimary Indio  Surface N	is): dicators. The chron  OGY cators (minimum o	ma of the	e lower horizon w required; check a Wat	all that ap	pply)	hydric soil indicate	κ.	Secondary Indicators (minimum of two require
ype: Pepth (nohe Remarks: Re hydric inc  HYDROLO  Trimary Indio  Surface N	DGY Cators (min/mum o Water (A1)	ma of the	e lower horizon w required, check a Wat Aqu	all that ap	oply) ed Leaves (B9) na (B13)	hydric soil indicate	κ.	Secondary Indicators (minimum of two require Surface Soil Cracks (B8) Drainage Patterns (B10) Moss Trim Lines (B16)
ype: kepth (inche lemarks: lo hydric inc HYDROLO rimary India Surface I High Wat	DGY cators (min/mum o Water (A1) ter Tathe (A2) on (A3)	ma of the	e lower horizon w required, check a Was Aque Mar	ill that ap ter-Stains at c Fau i Deposi	oply) ed Leaves (B9) na (B13)	hydric soil indicate	κ.	Secondary Indicators (minimum of two require Surface Soil Cracks (Bib) Drainage Patterns (Bib) Moss Trim Lines (Bib) Dry-Season Water Table (C2)
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**Significant Soils** Class



Petition 11202 PHILIP C ICKE

Class 1 Class 2

