# WETLAND DETERMINATION & DELINEATION REPORT

# SCHERTZ PROPERTY

Township of Algoma Winnebago County

May 21, 2017

May 21, 2017

Nick Domer, Sr. Project Manager SE Section - St. Paul District U.S. Army Corps of Engineers 211 North Broadway Street, Suite 211 Green Bay, WI 54303

RE:

Wetland Determination & Delineation for the Schertz Property Township of Algoma, Winnebago County

Dear Nick.

Please find enclosed a Wetland Determination & Delineation Report for the Schertz Property. I am requesting on behalf of Nick & Robyn Schertz that the U.S. Army Corps of Engineers provide concurrence for the wetland boundaries delineated within the Area of Interest. If you have any questions or comments regarding this report or work performed, please call me at 920-779-0000 or 920-470-5313.

BATES

PS - 140 HORTONVILLE

Respectfully submitted,

Bates Soil & Water Testing Services, LC

Brian D. Bates, PSS, CST

WDNR Professionally Assured Wetland Delineator

cc: WDNR Electronic Portal Submittal

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#### QUALIFICATIONS

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Northern Region Headquarters
107 Sutliff Avenue
Rhinelander, WI 54501-3349

Scott Walker, Governor Cathy Stepp, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



March 27, 2017

Brian Bates Bates Soil and Water Testing Services N1237 Country Crest Circle Hortonville, WI54944

Subject: Assured Wetland Delineator 2017 Concurrence

Dear Mr. Bates:

This letter is your concurrence for wetland delineations conducted in calendar year 2017. You and your clients will not need to wait for the department to review your wetland delineations before moving forward with project planning. This will help expedite the review process for WDNR's wetland regulatory program. Your name and contact information will continue to be listed on our website at: http://dnr.wi.gov/topic/wetlands/assurance.html.

In the instance where a municipality may require a letter of concurrence for your work prior to moving forward in the local regulatory process, this letter shall serve as that concurrence. Although your wetland delineations do not require WDNR review, inclusion of a Wetland Delineation Report is required for projects needing State authorized wetland, waterway and/or storm water permit approvals.

#### ADDITIONAL QUALIFICATIONS DISCUSSION

Bates Soil & Water Testing Services, LLC was founded in 1996 by Brian Bates. Mr. Bates consults on multiple disciplines associated with the soils and waters of Wisconsin. Mr. Bates has over 19 years of wetland experience in the Northeast/Northcentral and Midwest Regions. Wetland related services include wetland determinations and delineations, wetland hydrology monitoring, wetland restoration, wetland restoration monitoring and invasive plant control.

Mr. Bates holds a Bachelor of Science Degree in Soil Science and a Master of Science Degree in Natural Resources - Hydrogeology emphasis, from the University of Wisconsin-Stevens Point. Mr. Bates is a Licensed Professional Soil Scientist, Hydrogeologist, Certified Soil Tester and a WDNR Professionally Assured Wetland Delineator. In 1991, Mr. Bates was recognized as one of the "Top Ten" Soil Profile Evaluators in the nation, recognized at a collegiate level, National Soil Judging Competition in California. Mr. Bates is also a member of the Wisconsin Society of Professional Soil Scientists. Additional continuing education training completed by Mr. Bates relating to wetland science include:

- ✓ Basic Wetland Delineation course offered by the Wisconsin Department of Administration, Coastal Management Program (1998)
- ✓ Training Workshop for Consultants: Understanding Wisconsin's Wetland Compensatory Mitigation Rules and Guidelines (2003)
- ✓ Advanced Wetland Delineation Training Workshop offered by the University of Wisconsin-La Crosse (2010)
- ✓ Critical Methods in Wetland Delineation seminar offered by the Wisconsin Department of Natural Resources (2010, 2013, 2014, 2015).
- √ Vegetation of Wisconsin Course offered by the University of Wisconsin-Milwaukee Field Station (2016)

#### INTRODUCTION

On May 9, 2017 a Wetland Determination & Delineation was performed by Brian Bates & Tom Neitzel of Bates Soil & Water Testing Services, LLC. Nick & Robyn Schertz ordered the Wetland Determination & Delineation to determine the wetland status of the Area of Interest (AOI) for the proposed sale and development of the property. Mr. Bates was the lead investigator for the field investigation and is the principal author of this report. The weather was sunny and warm (+/- 60° Fahrenheit).

The AOI is 1.541 acres in size. The AOI consists of a heavily wooded lot abutting Honey Creek. The AOI is located within the Government Lot 4, Section 9, T18N, R16E, Town of Algoma, Winnebago County. All detailed latitude, longitude and site datum coordinates for the investigation were obtained by Schuler & Associates, Inc., Appleton, Wisconsin. Detailed numerical coordinates are not provided on the Wetland Determination Data Forms but can be obtained from Schuler & Associates, Inc., if desired.

#### **METHODOLOGY**

#### Investigation Review

Prior to beginning the field evaluation of the AOI, the following on-site or off-site reference reviews were conducted:

- Preliminary Field Reconnaissance
- NRCS Hydric Soil List
- Wisconsin Department of Natural Resources Wetland Inventory Map
- U.S. Fish & Wildlife Service National Wetland Inventory Map
- County Soil Survey Manual
- NRCS Web Soil Survey

The reviewed resources provided information on whether wetlands have been previously identified within the AOI or have a higher probability of wetlands occurring. Wetland area or areas with wetland potential within the AOI were then field investigated to make on-site determinations and where necessary, complete delineations of the uppermost wetland boundary.

The approximate boundaries of the Northcentral and Northeast Region and Midwest Region were reviewed prior to completing off-site data reviews and the field investigation. Based on map examination and project location, the Wetland Determination was completed using the criteria and methods outlined in the documents below. These documents use a three-criterion investigation method which examine for indicators of hydrophytic vegetation, hydric soils and wetland hydrology.

- ✓ Basic Guide to Wisconsin's Wetlands and Their Boundaries (1995)
- ✓ Corps of Engineers Wetland Delineation Manual (1987)
- ✓ Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region Version 2.0 (2012)

#### Vegetation

Indicator Status of vegetation identified was based on the State of Wisconsin 2016 Wetland Plant List: (http://rsgisias.crrel.usace.army.mil/nwpl\_static/data/DOC/lists 2016/States/pdf/WI\_2016v1.pdf). Vegetation was evaluated using the Quadrant Sampling Method, which consisted of a 5' radius for the Herbaceous Layer, a 15' radius for the Sapling/Shrub Layer and a 30' radius for the Tree and Vine Layer. Vegetation abundance was based on the measurement of Percent Areal (Absolute) Cover. Vegetation observed during the investigation was identified to the Species Level and documented on the Northcentral and Northeast Region Wetland Determination Data Forms. The Rapid Test, "50/20" rule and/or Prevalence Index was used for determining major vegetation dominance unless problematic vegetation was observed. At least 80% of the areal cover was identified and documented, if observed.

#### Hydrology

Hydrology is the most variable of all three criteria and is the source for all wetlands. It is highly influenced by short and long-term precipitation, soil properties and the drainage catena of the small watersheds typically evaluated. Hydrology follows three pathways from the time it drops onto the soil surface to the time it becomes groundwater or stream flow. The first pathway is overland flow, where water flows on the soil surface. The second pathway is through flow, which is lateral flow through the soilscape, generally parallel to the soil surface. The final flow path is groundwater flow, which is generally deep (except in most wetland areas), saturated, subsurface flow.

The Wisconsin Wetland Inventory Map (WWI), the U.S. Fish & Wildlife Service National Wetland Map (NWI), the United States Geological Survey (USGS) topographic map and FSA Slide reviews all provide information concerning wetland potential.

Unlike soils or vegetation, hydrology indicators are not always associated with a specific sample point or area. The time of year or year evaluated often determines if direct observations of inundation or saturation can be made. If a hydrology indicator is found near a sampling point, in an area that has similar landscape position, vegetation and soils, any evidence of hydrology will be noted on the Wetland Determination Data Forms.

Verification of Hydrology for this study was based on the 18 Primary or 11 Secondary hydrology indicators listed on the Northcentral and Northeast Region Wetland Determination Data Form, unless additional indicators from other regional supplements were determined to be applicable with appropriate documentation.

#### Soils

Soil morphology, the field observable attributes of the soil in various horizons or arrangements, based on vertical exposure at each sampling point to a minimum depth of 24" below grade (unless otherwise noted), were documented on the Northcentral and Northeast Region Wetland Determination Data Forms.

Soil profiles were evaluated through the construction of backhoe pits (unless otherwise noted on the data sheets). Backhoe pits are the preferred method of soil evaluation since they provide a clear picture of the soil profile over a large area, unlike small auger holes, push probes or hand dug holes. The use of a backhoe is the only option for deeply filled sites that contain large coarse fragments such as concrete, blacktop or bricks or sites that naturally contain large coarse fragments such as cobbles and boulders.

Each soil profile was compared to the Field Indicators of Hydric Soils in the United States - A guide for Identifying and Delineating Hydric Soils, Version 8.1, 2017. The Hue, Value and Chroma color patterns of the soil horizons, sub-horizons or redoximorphic features were evaluated and documented with the use of Munsell Soil Color Charts.

Many soils in northeastern Wisconsin are composed of red parent material soils. Red parent material soils are found in Wisconsin near Lake Superior and in the valley of the Fox River and surrounding areas near Lake Michigan. These soils were deposited by the Green Bay Lobe of glacial ice. The Green Bay Lobe dredged out the bay of Green Bay, formed Lake Winnebago, the Horicon Marsh and hills around Madison.

If Non-Problematic Hydric Soil Indicators are absent and indicators of hydrophytic vegetation and wetland hydrology are present (or are absent due to disturbance or other problem situations), the Problematic F21 Hydric Soil Indicator will be considered, as well as all other Problematic Hydric Soil Indicators within the Northcentral and Northeast Region. The F21 Hydric Soil Indicator is primarily used in the Northcentral and Northeast Region for problematic Red Parent Material Soils.

#### INVESTIGATION DISCUSSION

Wetland Determinations and Delineations should be conducted during the growing season. It is important to conduct the work during the growing season in order to positively identify vegetation and so that some primary hydrology indicators can be properly applied. The Regional Supplements provide a field observation-based approach for determining the growing season. This approach uses the biological growth of non-evergreen plants as an indicator to the beginning or end of the growing season. The growing season can also be determined by measuring soil temperature, if required. The start of the growing season can also be approximated by evaluating the first and last 28° Fahrenheit day on County-Specific Wetness Evaluation (WETS) Tables (Appendix A). This determination was conducted during the growing season based on early "green up" and the WETS Table Probability of 70% that it occurs between April 8 through October 31.

Since wetland hydrology is seasonal and affected by short and long-term changes in meteorological conditions, it may not always be possible to observe hydrology indicators such as surface water, saturation, high water table or a dry-season water table. For any wetland analysis, the lack of primary or secondary hydrology indicators of hydrology will not be considered evidence for a lack of hydrology, especially in disturbed agricultural lands. Wetland Hydrology will not be considered absent (under most conditions) if the AOI has hydric soils or hydrophytic vegetation or in some agricultural areas, only hydric soils. In some instances, hydric soils are the only feasible means of identifying wetlands.

United States Department of Agriculture (USDA) Farm Service Agency (FSA) slides should be reviewed for wetland signatures if the AOI has experienced agricultural activities within three years of the wetland evaluation. USDA-FSA slides are helpful for evaluating soil saturation signatures such as standing water, drowned out crops or evidence of stunted or stressed crops. USDA-FSA slides are also beneficial for evaluating the timing of historical disturbances that may have changed wetland hydrology.

#### WETLAND DELINEATION SPECIFICS

#### Hydrology

Field observations of hydrology and conclusions regarding hydrology must also consider antecedent precipitation. Generally speaking, an evaluation of antecedent precipitation is an evaluation of the amount of soil water or groundwater in storage, over time. To assess antecedent precipitation, the Natural Resources Conservation Service (NRCS) method of comparing local precipitation data to the local Wetness Evaluation Station was evaluated. For this study, precipitation data from the National Climatic Service in Green Bay, Wisconsin (nearest climatic center) was compared to the nearest Wetness Evaluation Station (WETS) in Oshkosh, Wisconsin. Archived Climatic Data can be found at: http://www.nws.noaa.gov/climate/index.php?wfo=mkx.

	Palmer Drought Severity Index	WETS 3 years in 10 less than	Normal	WETS 3 years in 10 more than	*2017 Rainfall	Condition Dry, Wet, Normal	Condition Value	Month Weight Value	Product of Previous 2 Columns
FEBRUARY	+3.00 to + 3.99 Very Moist	0.72"	1.13"	1.36"	0.82"	Normal	2	3	6
MARCH	+3.00 to + 3.99 Very Moist	1.13"	2.11"	2.58"	2.30"	Normal	2	2	4
APRIL	+3.00 to + 3.99 Very Moist	2.14"	3.10"	3.68"	4.48"	Wet	3	1	3
									Sum 13

Note: If sum is

6-9 Prior p

6-9 Prior period had been drier than normal
10-14 Prior period has been normal

15-18 Prior period has been wetter than normal

Condition Value:

Dry = 1 Normal = 2 Wet = 3

The NRCS Wetness Evaluation (WETS) Table provides the record of the 1971-2000 period of observation (Appendix A). This table is useful for comparing recent precipitation to relative normal precipitation. According to the Palmer Drought Severity Index, conditions were Very Moist for February, March and April. Based on the NRCS Antecedent Hydrologic Condition Evaluation Method, climatic conditions were Normal and primary indicators of hydrology were expected to be observed.

WETS Station: OSHKOSH, WI

Requested years: 1971 - 2017

	Te	mperatur	e (°F)			Precipitatio	n (inches)		
Month Avg Avg Avg daily daily		Avg		6 chance ill have	Avg number of days with	Average total			
	max	min	mean		less than more than		0.10 inch or more	snowfall	
Jan	25.4	8.8	17.1	1.30	0.81	1.57	4	10.8	
Feb	29.6	12.3	21.0	1.13	0.72	1.36	3	8.1	
Mar	40.8	23.0	31.9	2.11	1.13	2.58	5	7.1	
Apr	54.8	35.6	45.2	3.10	2.14	3.68	6	1.4	
May	68.0	47.4	57.7	3.42	2.19	4.12	7	0.0	
Jun	77.5	57.5	67.5	4.07	2.53	4.92	7	0.0	
Jul	82.1	62.1	72.1	3.54	2.46	4.21	7	0.0	
Aug	79.8	60.2	70.0	3.73	2.43	4.49	7	0.0	
Sep	71.9	51.7	61.8	3.24	1.91	3.94	6	0.0	
Oct	58.8	40.1	49.4	2.45	1.64	2.94	6	0.1	
Nov	44.0	28.4	36.2	2.37	1.33	2.88	5	3.0	
Dec	30.4	15.5	23.0	1.68	1.03	2.03	5	10.5	
Annual:					29.67	34.64			
Average	55.3	36.9	46.1	-	-	-			
Total	-	-	-	32.14			67	41.0	

#### GROWING SEASON DATES

Requested years of data: 1971 - 2017

 Years with missing data:
 24 deg = 2 28 deg = 2 32 deg = 2 

 Years with no occurrence:
 24 deg = 0 28 deg = 0 32 deg = 0 

 Data years used:
 24 deg = 45 28 deg = 45 32 deg = 45 

		Temperature					
Probability	24 F or higher	28 F or higher	32 F or higher				
	Beginning and Ending Dates Growing Season Length						
50 percent *	4/5 to 11/8 217 days	4/14 to 10/25 194 days	4/28 to 10/12 167 days				
70 percent *	4/1 to 11/13 226 days	4/8 to 10/31 206 days	4/23 to 10/17 177 days				

<sup>\*</sup> Percent chance of the growing season occurring between the Beginning and Ending dates.

#### Soils

Soil types within the AOI were evaluated by researching the County Soil Survey, NRCS Web Soil Survey Hydric Soil List and the WDNR Wetland Inventory Map. The following soil types and associated classifications exist within the evaluated areas of the AOI:

Soil Name	Map Symbol	Family or Higher Taxonomic Class	Drainage Class	Hydric per County	Wetland Indicator Soil Per WDNR
Manawa Silty Clay Loam	MaA	Fine, mixed, mesic Aquollic Hapludalfs	Somewhat Poorly Drained	No, but may have inclusions	Yes
Poygan Silty Clay Loam	Pu	Fine, mixed, mesic Typic Haplaquolls	Poorly Drained	Yes	Yes

NRCS Web Soil Survey: (http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm)

Wisconsin Wetland Inventory (http://dnrmaps.wi.gov/imf/imf.jsp?site=SurfaceWaterViewer.wetlands)

WI1	39-Winnebago Co	unty, \	<b>Visconsin</b>		
Map symbol and map unit name	Component/Local Phase	Comp.	Landform	Hydric status	Hydric criteria met (code)
MaA: Manawa silty clay loam, 0 to 3 percent slopes	Manawa	85-92	Drainageways	No	-
	Kewaunee	5-9	Ground moraines	No	_
	Poygan	3-6	Depressions	Yes	2,3
Pu: Poygan silty clay loam, 0 to 2 percent slopes, drained	Poygan-Drained	80-90	Till plains	Yes	2
	Manawa	6-13	Drainageways	No	_
	Kewaunee	2-6	Till plains	No	-
	Cathro	2-4	Depressions	Yes	1

#### WETLAND DETERMINATION DISCUSSION

The AOI is 1.541 acres in size. The AOI consists of a heavily wooded lot abutting Honey Creek.

Wetlands were identified within the AOI on the Wisconsin Wetland Inventory Map and the National Wetland Inventory Map. Wetland Indicator Soils also exist within the entire AOI.

The sampling point locations for the investigation were chosen based on the review of mapping resources or observed changes in topography and vegetation during the investigation. The wetlands were differentiated from the adjacent upland areas based on the observation of all three wetland criteria. Three wetlands were identified during the investigation. The wetland locations within the AOI are illustrated on Figure 1. Photographs of the AOI and sampling points are provided in Appendix A. The sampling points were marked with numbered, hard wood stakes. The United States Army Corps of Engineers (USACOE) Wetland Determination Data Form for the Northcentral and Northeast Region was completed for each sampling point (Appendix B).

Wetland A (0.505 Acres): Primary Indicators of Hydrology observed included High Water Table, Saturation, Water Stained Leaves, Water Marks and Algal Mat or Crusts. Secondary Indicators of Hydrology observed included Geomorphic Position and the FAC-N Test. The wetland was dominated with *Fraxinus pennsylvanica, Acer negundo,* and *Rhamnus cathartica*. The soils were determined to be hydric per the F3 and F6 Hydric Soil Indicators. The wetland area can best be described as a Forested/Shrub - Wetland.

Wetland B (0.087 Acres): Primary Indicators of Hydrology observed included High Water Table, Saturation, Water Stained Leaves, Drift deposits and Sparsely Vegetated Concave Surface. Only one Secondary Indicator of Hydrology, Geomorphic Position, was observed. The wetland was dominated with *Fraxinus pennsylvanica, Acer negundo* and *Rhamnus cathartica*. The soils were determined to be hydric per the F6 Hydric Soil Indicator. The wetland area can best be described as a Forested/Shrub - Wetland.

**Wetland C (0.004 Acres)**: Primary Indicators of Hydrology observed included Saturation, Water Stained Leaves and Drift deposits. Only one Secondary Indicator of Hydrology, Geomorphic Position, was observed. The wetland was dominated with *Fraxinus pennsylvanica, Solidago gigantea* and *Rhamnus cathartica*. The soils were determined to be hydric per the F6 Hydric Soil Indicator. The wetland (ditch) area can best be described as a Fresh/Wet-Meadow - Wetland.

#### CONCLUSIONS

On May 9, 2017 a Wetland Determination and Delineation was performed for the AOI. The objective of the wetland investigation was to determine the wetland status of the AOI for the proposed sale of the property and development. Three wetlands were identified and each illustrated on Figure 1. The purpose of this work is to provide Nick & Robyn Schertz, County, State and Federal Regulators crucial information for development planning and regulatory jurisdictional conclusions.

The sampling point locations and wetland boundary lines illustrated on Figure 1 are accurate and precisely represent the work performed by Bates Soil & Water Testing Services, LLC. The sampling point stakes are "in place" and are available for review by the Wisconsin Department of Natural Resources (WDNR) and the U.S. Army Corps of Engineers (USACE), if desired.

Brian Bates, the lead delineator and author of this report, is a WDNR Professionally Assured Wetland Delineator (http://dnr.wi.gov/topic/wetlands/assurance.html) and concurrence from the WDNR is not necessary for waterway and wetland permits or shoreland/wetland zoning permits. However,

"Assurance does not change the need for or decisions about wetland fill permits.

Assurance can't guarantee accuracy or relieve landowner responsibility in the event an error occurs and wetlands are filled. While it is unlikely for professional whose work is assured, inadvertent wetland fill that may result from errors must be remedied" (http://dnr.wi.gov/topic/wetlands/assurance.html)

Still, the wetland boundaries identified are an excellent assessment of current site conditions. Final wetland boundary line decisions always rest with the WDNR and USACE. Adjustments to wetland boundary lines are at times possible based on opinion differences, but highly unlikely. Bates Soil & Water Testing Services, LLC, will submit copies of the Wetland Determination & Delineation Report to both agencies for review. If a jurisdictional determination is required from the USACE, a Request for Corps of Engineers Wetland Delineation Review form will need to be completed and submitted to the USACE. If permits are required for this project, construction authorization shall be obtained from all required regulatory agencies (Federal, State and County) prior to any regulatory concurrence expiring.

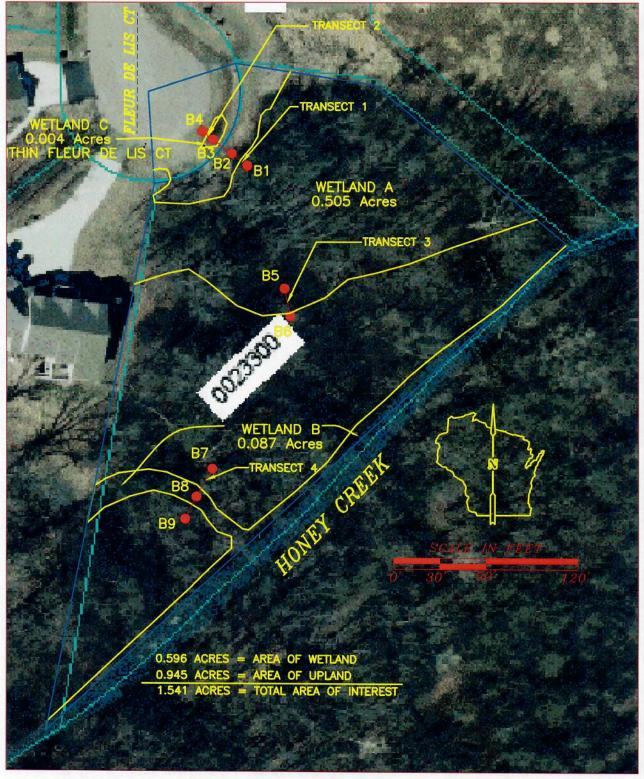
Property Owner:

Nick & Robyn Schertz W4980 Osero Lane Tomahawk, WI 54487 715-966-6116 schertz.family@gmail.com

#### FIGURE 1 WETLAND DELINEATION MAP

#### WETLAND LOCATION MAP

LOT 14, HECKER HOLLOW, SECTION 9, TOWNSHIP 18 NORTH, RANGE 16 EAST, TOWN OF ALGOMA, WINNEBAGO COUNTY, WISCONSIN

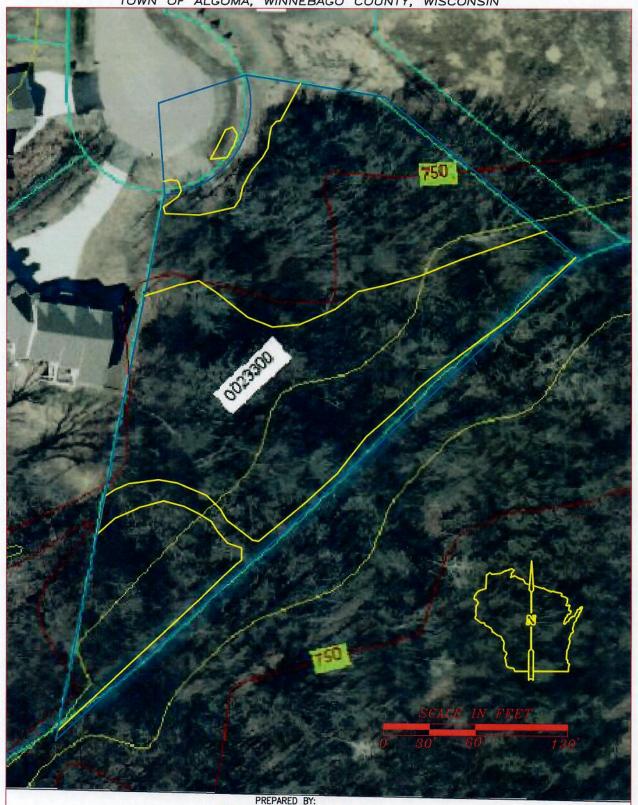


PREPARED BY:
SCHULER & ASSOCIATES, INC.
LAND SURVEYORS & ENGINEERS
2711 N. MASON ST., SUITE F, APPLETON, WI 54914
PROJECT NO. 4300 DATE: 07/28/15

L-17-4483 SHEET 1 OF 1

#### TOPOGRAPHY MAP

LOT 14, HECKER HOLLOW, SECTION 9, TOWNSHIP 18 NORTH, RANGE 16 EAST, TOWN OF ALGOMA, WINNEBAGO COUNTY, WISCONSIN

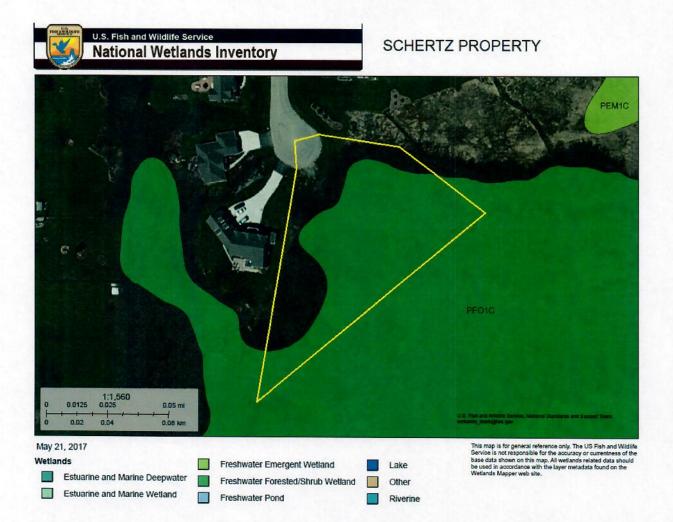


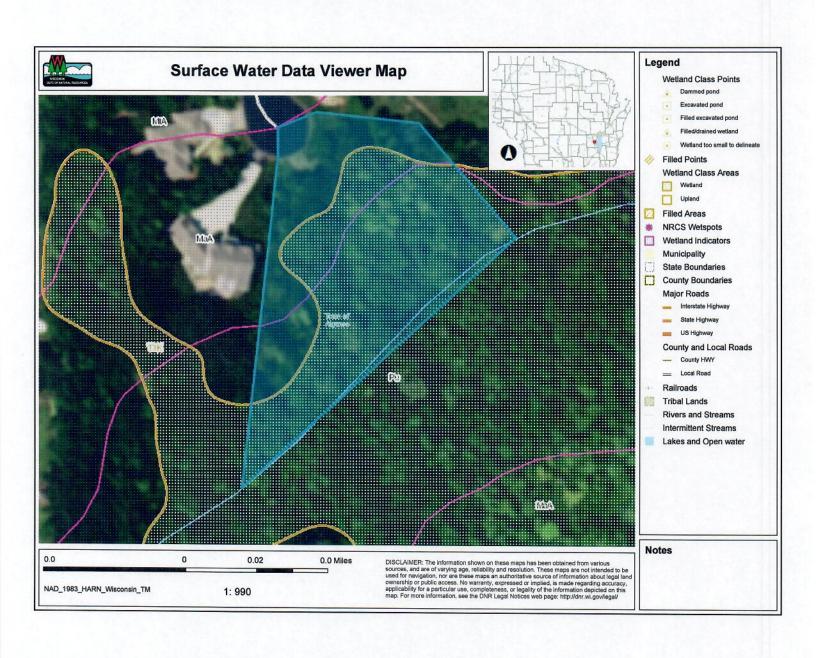
PREPARED BY:
SCHULER & ASSOCIATES, INC.
LAND SURVEYORS & ENGINEERS
2711 N. MASON ST., SUITE F, APPLETON, WI 54914
PROJECT NO. 4300 DATE: 07/28/15

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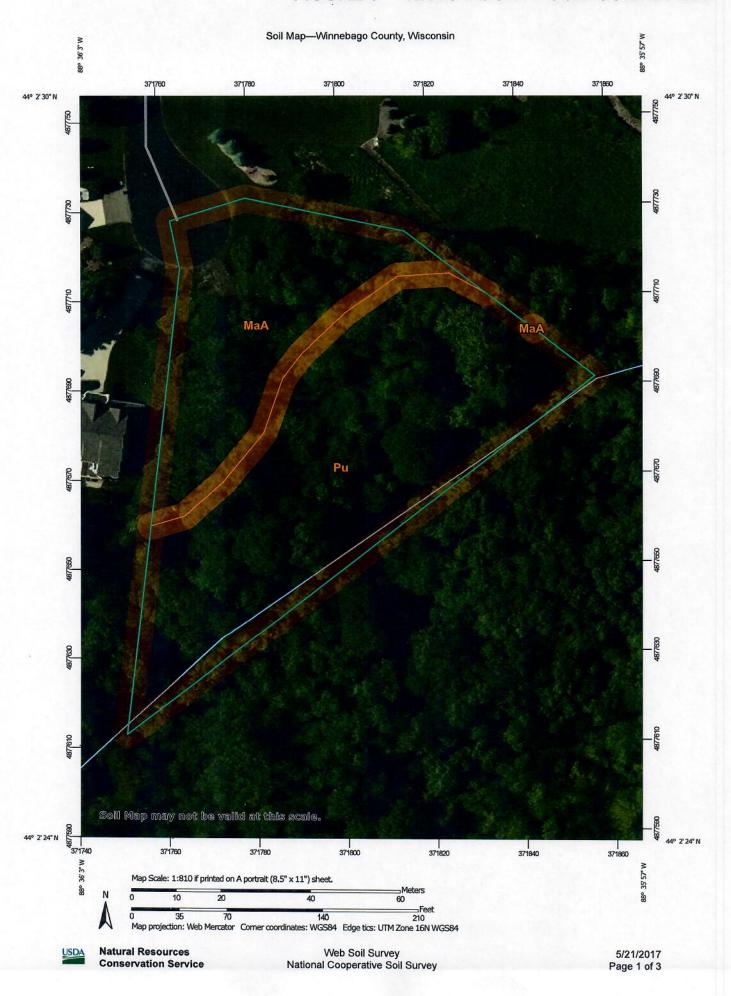
L-17-4468 SHEET 1 OF 1

#### FIGURE 3 NATIONAL WETLANDS INVENTORY MAP



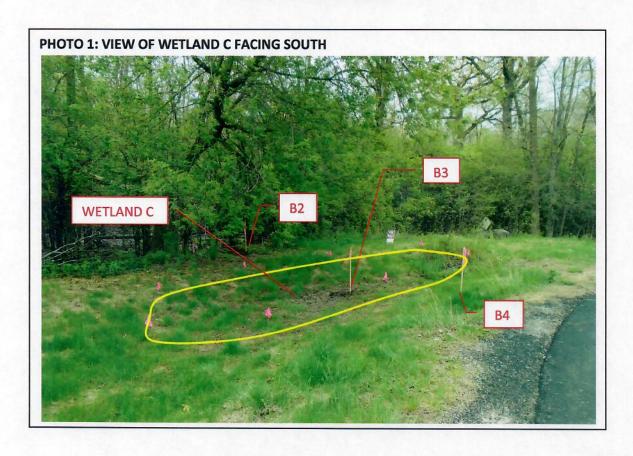


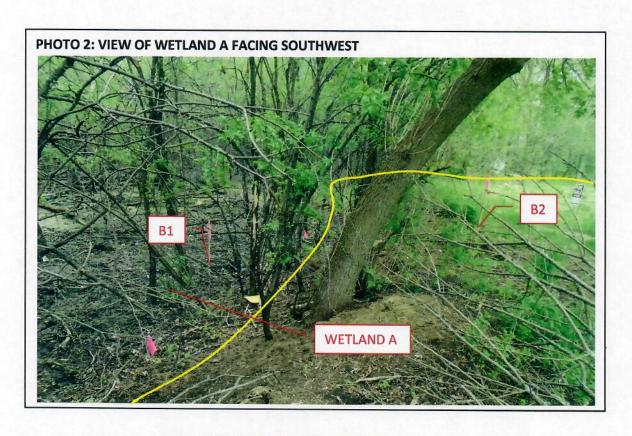
#### FIGURE 5 NRCS COUNTY SOIL SURVEY MAP



# APPENDIX A Site Photographs

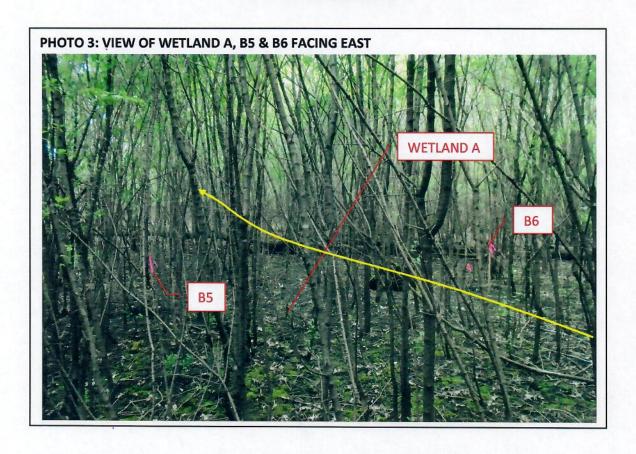
#### SITE PHOTOGRAPHS

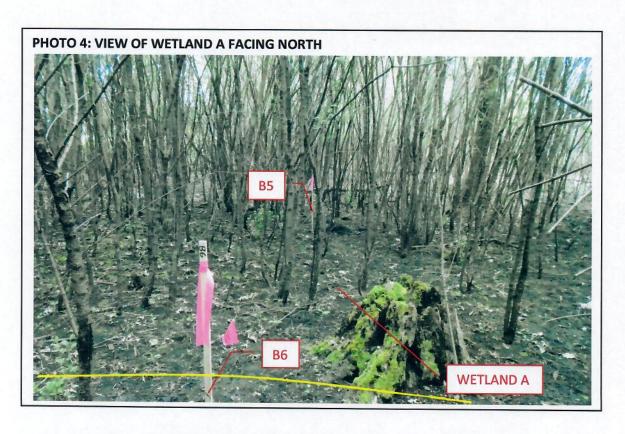




DATE OF PHOTOGRAPHS: MAY 9, 2017

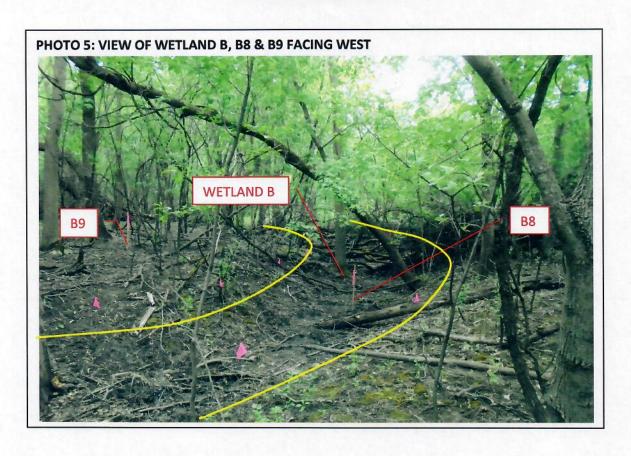
#### **SITE PHOTOGRAPHS**

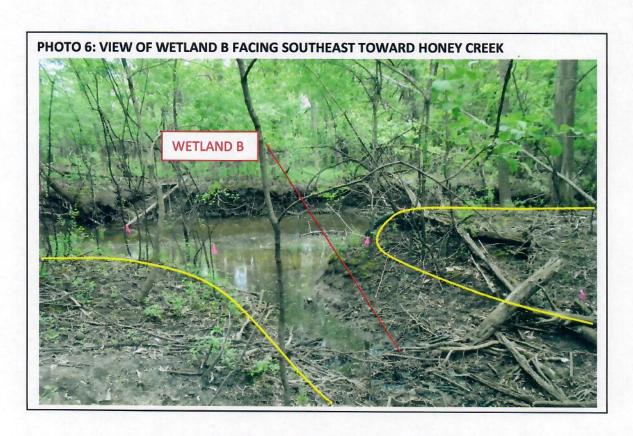




DATE OF PHOTOGRAPHS: MAY 9, 2017

#### **SITE PHOTOGRAPHS**





DATE OF PHOTOGRAPHS: MAY 9, 2017

# APPENDIX B

**Wetness Evaluation Table** 

Project/Site: SCHERTZ PROPERTY	City/County:	WINNEBAGO Sampling Date: 5/9/17
Applicant/Owner: NICK & ROBYN SCH	ERTZ	State: WISCONSIN Sampling Point: B1
Investigator(s): BRIAN D. BATES, PSS, C	ST & TOM NEITZEL, PSS	Section, Township, Range: SECTION 9, T18N, R16E
Landform (hillslope, terrace, etc.): TOES	SLOPE Lo	ocal relief (concave, convex, none): NONE
Slope (%): 0 TO 1 Lat.: ***	Long.: ***	Datum: ***CONTACT SCHULER & ASSOCIATES
Soil Map Unit Name MANAWA SILTY CL		NWI Classification: NONE
Are climatic/hydrologic conditions of the si	te typical for this time of the year	ar? Yes (If no, explain in remarks)
	r hydrology significant	tly disturbed? Are "normal
	r hydrology naturally p	problematic? circumstances" present? Yes
(If needed, explain any answers in remarks		
SUMMARY OF FINDINGS		
Hydrophytic vegetation present?	Y Is the sample	ed area within a wetland?
Hydric soil present?	<u>Y</u> .	
Indicators of wetland hydrology present?	Y If yes, options	al wetland site ID:
maloutoro or motiana nyarotogy processir		
Remarks: (Explain alternative procedures	here or in a separate report.)	
CLIMATIC CONDITIONS ARE NO	DRMAL PER THE NRCS A	NTECEDENT HYDROLOGIC CONDITION
EVALUATION METHOD.		
5000 000000 Fig. 100 00 0000000		
HYDROLOGY		
		Secondary Indicators (minimum of two
Primary Indicators (minimum of one is req		required)
Surface Water (A1)	X Water-Stained Leaves (B9	
X High Water Table (A2)	Aquatic Fauna (B13)	Drainage Patterns (B10)
X Saturation (A3)	Marl Deposits (B15)	Moss Trim Lines (B16)
X Water Marks (B1)	Hydrogen Sulfide Odor (C1	
Sediment Deposits (B2)	Oxidized Rhizospheres on	
Drift Deposits (B3)	Roots (C3)	Saturation Visible on Aerial Imagery
X Algal Mat or Crust (B4)	Presence of Reduced Iron	
Iron Deposits (B5)	Recent Iron Reduction in T	
Inundation Visible on Aerial	Soils (C6)	X Geomorphic Position (D2)
Imagery (B7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Sparsely Vegetated Concave	Other (Explain in Remarks	
Surface (B8)		Microtopographic Relief (D4)
5.110		
Field Observations:	No. Y Donth (inches	s): Indicators of
Surface water present? Yes	No X Depth (inches	
Water table present? Yes X	No Depth (inche	7
Saturation present? Yes X	No Depth (inche	·
(includes capillary fringe)		present? Y
Describe recorded data (stream gauge, m	enitoring well periol photos pr	ovicus inspections) if available:
Describe recorded data (stream gauge, m	officining well, aerial priotos, pro	evious inspections), ii available.
Remarks:		

EGETATION - Ose scientific flam				delig-result & co	50/20 Thresholds	
Tree Stratum Plot Size ( 3	30' )	Absolute % Cover 40	Dominant Species Y	Indicator Status FACW	Tree Stratum Sapling/Shrub Stratum	20% 50% 20 50 2 5
Acer negundo		30	Y	FAC	Herb Stratum	2 5
Rhamnus cathartica		30	Υ	FAC	Woody Vine Stratum	0 0
					Dominance Test Worksho	eet
			-		Number of Dominant	
					Species that are OBL,	
					FACW, or FAC:	5 (A)
					Total Number of Dominant	
					Species Across all Strata:	
		100 =	Total Cover		Percent of Dominant	
					Species that are OBL,	
Sapling/Shrub Blot Size /		Absolute	Dominant	Indicator	FACW, or FAC:	100.00% (A
Stratum Plot Size ( 1	15' )	% Cover	Species	Status		
Rhamnus cathartica		10	Y	FAC	Prevalence Index Worksh	neet
					Total % Cover of:	
					OBL species x 1	=
					FACW species x 2	
		Committee of the last		Sept. William Co.	FAC species x 3	-
					FACU species x 4	-
					UPL species x 5	=
			-	*	Column totals (A)	(B
	3				Prevalence Index = B/A =	
		10 =	Total Cover		(b.d., b.d. W	
		At well-the	D	1	Hydrophytic Vegetation I	
Herb Stratum Plot Size (	5' )	Absolute	Dominant	Indicator	Rapid test for hydrophy X Dominance test is >50	
Dhamaus authortics		% Cover	Species	Status		
Rhamnus cathartica		10	Y	FAC	Prevalence index is ≤3	
					Morphogical adaptation	
					supporting data in Ren	narks or on a
		-	_		separate sheet)	
					Problematic hydrophyt	c vegetation
					(explain)	
					*Indicators of hydric soil and wetle	
					present, unless disturbed or prob	ematic
			-	-	Definitions of Vegetation	Strata:
					Tree - Woody plants 3 in. (7.6 cm breast height (DBH), regardless of	
			-		Sapling/shrub - Woody plants le	es than 3 in DRU :
					greater than 3.28 ft (1 m) tall.	~ ulan o III, DDM 8
		10 =	Total Cover		Herb - All herbaceous (non-wood	v) plants, regardles
Woody Vine		Absolute	Dominant	Indicator	size, and woody plants less than	
Woody Vine Plot Size (	30' )	Absolute % Cover	Dominant	Indicator		
Stratum		70 Cover	Species	Status	Woody vines - All woody vines g	reater than 3.28 ft i
			-		height.	
		-				
					Hydrophytic	
5					vegetation	
		0 =	Total Cover		present? Y	
and the state of t		mate ab 10				
emarks: (Include photo numbers here	or on a sepa	irate sheet)				
MEETS FAC-N TEST						

Depth (Inches)	Matrix Color (moist)	%		ox Feati %	ures Type*	Loc**	Texture	Remarks
0-8	10 YR 2/1	95	Color (moist) 10 YR 3/6	5	C	M	SICL	A
8-24	10 YR 4/2	80	10 YR 4/6	20	C	M	SIC	Bt
	10 110 112		10 114 110				Cio	D.
		2000						
						Description of the last of the		
vno: C=C	oncentration D	Donlot	ion DM-Doduce	d Motrix	CS=C	Vored o	r Coated Sand Grains	
ocation:	PL=Pore Lining,	M=Mat	trix	u Mairix	, 05-00	overed o	r Coated Sand Grains	
V1 10 5-51 R	Indicators:						Indicators for Pr	oblematic Hydric Soils:
Stri X Dep Thi Sar Sar Sar Stri Dar 149		k Sufac (A12) al (S1) x (S4) LRR R,	Loa  ce (A11) (LR Loa  X Dep  X Red Dep Red MLRA	my Muc R K, L) my Gley leted M ox Dark leted Da ox Depr	RA 149 ky Miner red Matri atrix (F3 Surface ark Surfa ressions must be	ral (F1) ix (F2) ) e (F6) ace (F7) (F8)	Polyvalue Bel Thin Dark Sui Iron-Mangane Piedmont Floi Mesic Spodic Red Parent M	Dark Surface (TF12) n in Remarks)
pe: peth (inch		a):					Hydric soil pres	ent? Y
emarks:								
THE SC	ILS ARE HYD	RICP	ER THE ALL,	F3 AN	D F6 H	YDRIC	SOIL INDICATOR	RS.

Applicant/Owner: NICK & ROBYN SCH	City/County: W	/INNEBAGO Sampling Date: 5/9/17		
	HERTZ St	tate: WISCONSIN Sampling Point: B2		
Investigator(s): BRIAN D. BATES, PSS,	CST & TOM NEITZEL, PSS Se	ection, Township, Range: SECTION 9, T18N, R16E		
Landform (hillslope, terrace, etc.): FILL		relief (concave, convex, none): NONE		
Slope (%): 1 Lat.: ***	Long.: ***	Datum: ***CONTACT SCHULER & ASSOCIATES		
Soil Map Unit Name MANAWA SILTY CI		NWI Classification: NONE		
Are climatic/hydrologic conditions of the s				
	or hydrology significantly di			
	or hydrology naturally prob			
(If needed, explain any answers in remark				
(II flocada, explain any anovero in female	5)			
SUMMARY OF FINDINGS				
Hydrophytic vegetation present?	Y Is the sampled a	rea within a wetland?		
Hydric soil present?	N Is the sampled a	- Totalina Wolana		
Indicators of wetland hydrology present?	N If yes, optional we	atland site ID:		
indicators of wetland hydrology present?	11 yes, optional we	eliand site ib.		
Remarks: (Explain alternative procedures	here or in a separate report.)			
Tromano: (27pian anomano processio				
CLIMATIC CONDITIONS ARE NO	DRMAL PER THE NRCS ANTE	ECEDENT HYDROLOGIC CONDITION		
EVALUATION METHOD.				
EVALOATION METTIOD.				
HYDROLOGY				
		Secondary Indicators (minimum of two		
Primary Indicators (minimum of one is rec	uired: check all that apply)	required)		
Surface Water (A1)	Water-Stained Leaves (B9)	Surface Soil Cracks (B6)		
High Water Table (A2)	Aquatic Fauna (B13)	Drainage Patterns (B10)		
Saturation (A3)	Marl Deposits (B15)	Moss Trim Lines (B16)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Livin			
Occurrent Deposits (DZ)	Oxidized Milzospheres on Livin	ig Ciaynon Barrono (CC)		
Drift Denosits (B3)	Roots (C3)	Saturation Visible on Aerial Imageny		
Drift Deposits (B3)	Roots (C3) Presence of Reduced Iron (C4)	Saturation Visible on Aerial Imagery		
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	(C9)		
Algal Mat or Crust (B4) Iron Deposits (B5)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	(C9) Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	C(C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2)		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled  Soils (C6)  Thin Muck Surface (C7)	C(C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3)		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	C(C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled  Soils (C6)  Thin Muck Surface (C7)	C(C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3)		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)	Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled  Soils (C6)  Thin Muck Surface (C7)	C(C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations:	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)	C(C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface water present? Yes	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)  No X Depth (inches):	C(C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface water present? Water table present? Yes	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)  No X Depth (inches): No X Depth (inches):	C(9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)  Indicators of wetland		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)  Field Observations: Surface water present? Yes Water table present? Yes Saturation present? Yes	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)  No X Depth (inches):	C(9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)  Indicators of wetland hydrology		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface water present? Water table present? Yes	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)  No X Depth (inches): No X Depth (inches):	C(9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)  Indicators of wetland		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)  Field Observations: Surface water present? Vater table present? Saturation present? Yes (includes capillary fringe)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)  No X Depth (inches): No X Depth (inches): No X Depth (inches):	C(9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)  Indicators of wetland hydrology present? N		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)  Field Observations: Surface water present? Yes Water table present? Yes Saturation present? Yes	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)  No X Depth (inches): No X Depth (inches): No X Depth (inches):	C(9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)  Indicators of wetland hydrology present? N		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)  Field Observations: Surface water present? Vater table present? Saturation present? Yes (includes capillary fringe)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)  No X Depth (inches): No X Depth (inches): No X Depth (inches):	C(9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)  Indicators of wetland hydrology present? N		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)  Field Observations: Surface water present? Yes Water table present? Yes Saturation present? Yes (includes capillary fringe)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)  No X Depth (inches): No X Depth (inches): No X Depth (inches):	C(9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)  Indicators of wetland hydrology present? N		
Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Field Observations: Surface water present? Yes Water table present? Yes Saturation present? Yes (includes capillary fringe)  Describe recorded data (stream gauge, m	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)  No X Depth (inches): No X Depth (inches): No X Depth (inches):	C(9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)  Indicators of wetland hydrology present? N		
Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Field Observations: Surface water present? Yes Water table present? Yes Saturation present? Yes (includes capillary fringe)  Describe recorded data (stream gauge, materials)  Remarks:	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)  No X Depth (inches): No X Depth (inches): Depth (inches): Onitoring well, aerial photos, previous	C(9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)  Indicators of wetland hydrology present?  Is inspections), if available:		
Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Field Observations: Surface water present? Yes Water table present? Yes Saturation present? Yes (includes capillary fringe)  Describe recorded data (stream gauge, m	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)  No X Depth (inches): No X Depth (inches): Depth (inches): Onitoring well, aerial photos, previous	C(C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Microtopographic Relief (D4)  Indicators of wetland hydrology present? N  us inspections), if available:		

EGETATION - U	se scientific i	iames of p	Diarits			Sampling Pol	nt.	BZ
			Abaaluta	Deminent	Indicator	50/20 Thresholds	20%	50%
Tree Stratum	Plot Size (	30'	) Absolute	Dominant	Indicator Status	Tree Stratum	20%	50
			% Cover	Species				
Acer negundo			40	Y	FAC	Sapling/Shrub Stratum	0	0
Fraxinus penn			30	Υ	FACW	Herb Stratum	9	23
Rhamnus cath	artica		30	<u> </u>	FAC	Woody Vine Stratum	0	0
			_			Dominance Test Worksho	eet	-
					Salar menny	Number of Dominant		
						Species that are OBL,		
			_			FACW, or FAC:	6	(A)
		_				Total Number of Dominant		_ (, ,
-				-		Species Across all Strata:		(B)
			100	= Total Cover		Percent of Dominant		
						Species that are OBL,		
Sapling/Shrub			. Absolute	Dominant	Indicator	FACW, or FAC:	60.00%	6 (A/B
Stratum	Plot Size (	15'	) % Cover	Species	Status	171011,011110.	- 00.007	
						Prevalence Index Worksh	neet	
						Total % Cover of:		
				-		OBL species x 1	=	
						FACW species x 2		_
				-	-	FAC species x 3	_	
			_				-	_
						FACU species x 4	State of the latest and the latest a	<u></u>
						UPL speciesx 5		
						Column totals(A)		(B)
						Prevalence Index = B/A =	3-4-	
			0	= Total Cover		Hydrophytic Vegetation I	ndicators	
			Absolute	Dominant	Indicator	Rapid test for hydrophy		
Herb Stratum	Plot Size (	5'	) % Cover			X Dominance test is >50	-	auon
Dhamaira anth	a ution			Species	Status			
Rhamnus cath			15	Y	FAC	Prevalence index is ≤3		
Taraxacum of			5	Υ	FACU	Morphogical adaptation		
Acer negundo			5	Y	FAC	supporting data in Ren	narks or o	n a
Cirsium arven	se		5	Y	FACU	separate sheet)		
Ulmus america	ana		5	Y	FACW	Problematic hydrophyt	ic vegetat	ion*
Nepeta cataria	1		5	Y	FACU	(explain)		
Viola canaden	sis		5	Y	FACU	*Indicators of hydric soil and wetla	and hydrolog	av must b
						present, unless disturbed or probl		,, made b
)						Definitions of Vegetation	Strata	
						The second secon		
						Tree - Woody plants 3 in. (7.6 cm breast height (DBH), regardless of		diameter
				-		Sanling/about Mandy plants in	as then 2 in	DDU and
						Sapling/shrub - Woody plants lea greater than 3.28 ft (1 m) tall.		DBH and
			45	= Total Cover	30	Herb - All herbaceous (non-wood	v) nlante re	nardleer
						size, and woody plants less than		garuless
Woody Vine	Plot Size (	30'	Absolute	Dominant	Indicator	5.20, und woody plants less than	J.ZU II IAII.	
Stratum	I IOI OIZE (	30	% Cover	Species	Status	Woody vines - All woody vines g	reater than	3.28 ft in
						height.		
					<u>y</u> ,			
		nweet sure	_			Hydrophytic		
5				= Total Cover	X	vegetation		
				- Total Cover		present? Y		
emarks: (Include pl	noto numbers h	ere or on a	separate sheet)					
DOES NOT ME								
WIL								

Project/Site: SCHERTZ PROPERTY	City/County:	WINNEBAGO Sampling Date: 5/9/17
Applicant/Owner: NICK & ROBYN SCH	IERTZ	State: WISCONSIN Sampling Point: B3
Investigator(s): BRIAN D. BATES, PSS, C	CST & TOM NEITZEL, PSS	Section, Township, Range: SECTION 9, T18N, R16E
Landform (hillslope, terrace, etc.): TOES		ocal relief (concave, convex, none): NONE
Slope (%): 1 Lat.: ***	Long.: ***	Datum: ***CONTACT SCHULER & ASSOCIATES
Soil Map Unit Name MANAWA SILTY CL		NWI Classification: SLIGHT CONCAVE
Are climatic/hydrologic conditions of the si	te typical for this time of the vea	ar? Yes (If no, explain in remarks)
Are vegetation, soil, o	r hydrology significan	tly disturbed? Are "normal
Are vegetation , soil , o		problematic? circumstances" present? Yes
(If needed, explain any answers in remark	A THE RESIDENCE OF THE PROPERTY OF THE PARTY	
(Il fleeded, explain any answers in ternant	9/	
SUMMARY OF FINDINGS		
Undeenhytic vegetation present?	V le the sample	ed area within a wetland?
Hydrophytic vegetation present?	- Is the sample	ed area within a wedana.
Hydric soil present?	Y If you aution	al watland site ID:
Indicators of wetland hydrology present?	Y If yes, options	al wetland site ID:
Remarks: (Explain alternative procedures	here or in a separate report.)	
CLIMATIC CONDITIONS ARE NO	DRMAL PER THE NRCS A	NTECEDENT HYDROLOGIC CONDITION
EVALUATION METHOD.		
EVALOATION METHOD.		
HYDROLOGY		
		Secondary Indicators (minimum of two
Primary Indicators (minimum of one is req		required)
Surface Water (A1)	X Water-Stained Leaves (B9	
High Water Table (A2)	Aquatic Fauna (B13)	Drainage Patterns (B10)
X Saturation (A3)	Marl Deposits (B15)	Moss Trim Lines (B16)
Water Marks (B1)	Hydrogen Sulfide Odor (C	
Sediment Deposits (B2)	Oxidized Rhizospheres on	
X Drift Deposits (B3)	Roots (C3)	Saturation Visible on Aerial Imagery
Algal Mat or Crust (B4)	Presence of Reduced Iron	
Iron Deposits (B5)	Recent Iron Reduction in 1	
Inundation Visible on Aerial	Soils (C6)	X Geomorphic Position (D2)
Imagery (B7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Sparsely Vegetated Concave	Other (Explain in Remarks	FAC-Neutral Test (D5)
Surface (B8)		Microtopographic Relief (D4)
Field Observations:		
Surface water present? Yes	No X Depth (inche	
Water table present? Yes	No X Depth (inche	
Saturation present? Yes X	No Depth (inche	
(includes capillary fringe)		present? Y
Describe recorded data (stream gauge, m	ionitoring well, aerial photos, pr	evious inspections), if available:
Remarks:		

						50/20 Thresholds		
Plot Size (	30'	)	Absolute % Cover	Dominant Species	Indicator Status FAC	Tree Stratum	20% 10	50% 25 0
rtica								9
lica			25		FAC	Woody Vine Stratum	0	0
						Dominance Test Worksho	nt.	
							et	
					M. II. C	Species that are OBL.		
							3	(A)
								_ ( , ,
Challenge La						Species Across all Strata:	4	(B)
			50	= Total Cover		Percent of Dominant		
						Species that are OBL,		
Sapling/Shrub Plot Size ( 15'	)	Absolute % Cover	Dominant	Indicator	FACW, or FAC:	75.00%	(A/I	
			70 OOVE	Opecies	Otatus	Prevalence Index Worksh	eet	
							_	
					V			_
	-	_		1				
								_
							_	
						100000000000000000000000000000000000000		
							_	(B)
						Prevalence Index = B/A =		_
			Total Cause					
				- Total Cover		Hydrophytic Vegetation Ir	dicators	
51 . 61 .			Absolute	Dominant	Indicator			
Plot Size (	5'	)			CATE OF THE PROPERTY OF THE PARTY OF THE PAR			1011
a				(3.9) [[6](6)				
								10
			The second secon					
		_		311			unto or o	
							venetati	on*
3-1				-	S-14-15-15-15-15-15-15-15-15-15-15-15-15-15-		vogetat	OII
	11 - 201			-				
						present, unless disturbed or proble	matic	y must i
			Name and			Definitions of Vegetation	Ctroto	
			-			Definitions of vegetation	strata:	
								diamete
						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
								DBH an
			17 =	Total Cover		Herb - All herbaceous (non-woody	) plants, red	ardless
Plot Size (	301	,	Absolute	Dominant	Indicator			
. 101 0126 (	30	,	% Cover	Species	Status		eater than 3	.28 ft in
						neight.		
	- decident							
						Hydrophytic		
-						vegetation		
			0 =	I otal Cover		present? Y		
to numbers he	re or on	a sena	rate speets					
to numbers he				DOES NOT	MEET FAC	C-N TEST		
				DOES NOT	MEET FAC	C-N TEST.		
	Plot Size (	Plot Size ( 15'	Plot Size ( 15' )  Plot Size ( 5' )  pa	25   25	Plot Size ( 15' ) Absolute % Cover Species  O = Total Cover  Plot Size ( 5' ) Absolute % Cover 10 Y Y Y  2 N  17 = Total Cover  Plot Size ( 30' ) Absolute % Cover Species Y Y  Absolute % Cover 10 Y Y  2 N  17 = Total Cover  Dominant Species Y Y  Absolute % Cover Species Y Y  Dominant Species Y Y  Absolute % Cover Species Y Y  Dominant Species Y Y  Absolute % Cover Species	25	rtica	### Absolute Plot Size ( 5' ) Absolute 30

SOIL								Sampling Point: B3		
Profile Des	cription: (Descri	he to th	e denth needed	to docu	ment the	indicate	or or confirm the abser	nce of indicators )		
Depth	Matrix	oc to th		lox Feat		mulcate				
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture	Remarks		
0-6	7.5 YR 3/2	95	7.5 YR 4/6	5	С	M	SC	HISTORICAL FILL		
6-24	5 YR 4/4	80	5 YR 4/6	20	С	М	С	HISTORICAL FILL		
				-						
				100						
*Type: C=C	Concentration. D=	Deplet	ion RM=Reduce	d Matri	x CS=Cc	overed o	r Coated Sand Grains			
**Location:	PL=Pore Lining,	M=Mat	rix	a Matri	x, 00–00	overeu u	o Coaled Sand Grains			
Hydric Soil	Indicators:						Indicators for Pr	oblematic Hydric Soils:		
Hiss Blaa Hyd Stra Dep Thid San San Stri Dar 149	of hydrophytic ve	4) ii) k Suface (A12) al (S1) x (S4)  RR R, getatio	e (A11) (LR Loan Dep X Red Dep Red MLRA	) (LRR I n Dark S R R, MI my Muo R K, L) my Gley bleted M dox Dark bleted D dox Dept	yed Matri latrix (F3 k Surface ark Surfa ressions	A 149B) S9) B ral (F1) ix (F2) ) e (F6) ace (F7) (F8)	Coast Prairie 5 cm Mucky F Dark Surface Polyvalue Bel Thin Dark Sur Iron-Mangane Piedmont Floo Mesic Spodic Red Parent M	Dark Surface (TF12) n in Remarks)		
Restrictive I Type:	_ayer (if observe	d):					that a set			
Depth (inch	es):						Hydric soil pres	ent? <u>Y</u>		
Remarks:										
THE SA DE-SAC APPROI	WAS CONST PRIATE TO A	RUC'	TED. THIS IS THE F6 INDIC	THE N	NORMA TO TH	L CIRC	CUMSTANCE. BP. UPPER FILL HOP	CED WHEN THE CULT- J THAT IT IS RIZON BASED ON THROUGH THE DITCH.		

Project/Site: SCHERTZ PROPERTY	City/County:	WINNEBAGO Sampling Date: 5/9/17
Applicant/Owner: NICK & ROBYN SC		State: WISCONSIN Sampling Point: B4
Investigator(s): BRIAN D. BATES, PSS,	CST & TOM NEITZEL PSS	Section, Township, Range: SECTION 9, T18N, R16E
Landform (hillslope, terrace, etc.): BAC	CKSI OPE	Local relief (concave, convex, none): CONVEX
Slope (%): 15 TO 20 Lat.: ***	Long.: ***	Datum: ***CONTACT SCHULER & ASSOCIATES
Soil Map Unit Name MANAWA SILTY C		NWI Classification: NONE
Are climatic/hydrologic conditions of the	pito typical for this time of the vi	CONTROL OF MAIN CONTROL OF MAIN CONTROL OF THE PROPERTY OF THE
Are climatic/nydrologic conditions of the	an hardenland	intly disturbed? Are "normal
Are vegetation, soil,		y problematic? circumstances" present? Yes_
	Section and the second of the	y problematic? circumstances present:
(If needed, explain any answers in remar	KS)	
SUMMARY OF FINDINGS		
Hydrophytic vegetation present?	N Is the same	oled area within a wetland?
Hydric soil present?	N	
Indicators of wetland hydrology present?		nal wetland site ID:
indicators of wetland flydrology presents		Tal Hotalia olio 15.
Remarks: (Explain alternative procedure	s here or in a senarate report.)	
Remarks. (Explain alternative procedure	s fiere of in a deparate reports,	
OLIMATIC CONDITIONS AREA	IODMAL DED THE NECS	ANTECEDENT HYDROLOGIC CONDITION
	IORIVIAL PER THE INICO	ANTEGEDENT TITBROLOGIO CONDITION
EVALUATION METHOD.		
HYDROLOGY		
		Secondary Indicators (minimum of two
Primary Indicators (minimum of one is re	equired; check all that apply)	required)
Surface Water (A1)	Water-Stained Leaves (E	
High Water Table (A2)	Aquatic Fauna (B13)	Drainage Patterns (B10)
Saturation (A3)	Marl Deposits (B15)	Moss Trim Lines (B16)
Water Marks (B1)	Hydrogen Sulfide Odor (	
Sediment Deposits (B2)	Oxidized Rhizospheres of	on Living Crayfish Burrows (C8)
Drift Deposits (B3)	Roots (C3)	Saturation Visible on Aerial Imagery
Algal Mat or Crust (B4)	Presence of Reduced Iro	on (C4) (C9)
Iron Deposits (B5)	Recent Iron Reduction in	
Inundation Visible on Aerial	Soils (C6)	Geomorphic Position (D2)
Imagery (B7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
	Other (Explain in Remark	
Characky Vagatated Canadya	Other (Explain in residual	
Sparsely Vegetated Concave		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		Microtopographic Relief (D4)
Surface (B8)		Microtopographic Relief (D4)
Surface (B8)  Field Observations:	No X Depth (inch	
Surface (B8)  Field Observations: Surface water present?  Yes	No X Depth (inch	nes): Indicators of
Surface (B8)  Field Observations: Surface water present? Water table present?  Yes  Yes	No X Depth (inch	nes): Indicators of wetland
Surface (B8)  Field Observations: Surface water present? Water table present? Saturation present? Yes Saturation present? Yes		nes): Indicators of wetland hydrology
Surface (B8)  Field Observations: Surface water present? Water table present?  Yes  Yes	No X Depth (inch	nes): Indicators of wetland
Surface (B8)  Field Observations: Surface water present? Water table present? Saturation present? (includes capillary fringe)	No X Depth (inch	lndicators of wetland hydrology present? N
Surface (B8)  Field Observations: Surface water present? Water table present? Saturation present? Yes Saturation present? Yes	No X Depth (inch	lndicators of wetland hydrology present? N
Surface (B8)  Field Observations: Surface water present? Water table present? Saturation present? (includes capillary fringe)	No X Depth (inch	lndicators of wetland hydrology present? N
Surface (B8)  Field Observations: Surface water present? Water table present? Saturation present? Yes Situration present? Yes (includes capillary fringe)	No X Depth (inch	lndicators of wetland hydrology present? N
Surface (B8)  Field Observations: Surface water present? Yes Water table present? Yes Saturation present? Yes (includes capillary fringe)  Describe recorded data (stream gauge,	No X Depth (inch	lndicators of wetland hydrology present? N
Surface (B8)  Field Observations: Surface water present? Yes Water table present? Yes Saturation present? Yes (includes capillary fringe)  Describe recorded data (stream gauge, Remarks:	No X Depth (inches No X) D	lndicators of wetland hydrology present? N
Surface (B8)  Field Observations: Surface water present? Yes Water table present? Yes Saturation present? Yes (includes capillary fringe)  Describe recorded data (stream gauge,	No X Depth (inches No X) D	lndicators of wetland hydrology present? N

se scientific n		1				50/20 Thresholds		
Plot Size (	30'	)	Absolute % Cover	Dominant Species	Indicator Status	Tree Stratum	20% 0	50% 0
			70 00001	Ороспо		Sapling/Shrub Stratum	0	0
The same of the sa		-				FOR A MARKET STATE OF THE SECRETARY OF T	20	50
		_				Woody Vine Stratum	0	0
							-4	
	- S. HIII III.						et	
		_					0	(A)
							0	(//
		_					2	(B)
		_	0 =	Total Cover		Percent of Dominant		
			Absolute	Dominant	Indicator		0.00	% (A/I
Plot Size (	15'	)	% Cover	Species	Status			
					Prevalence Index Worksh	eet		
						Total % Cover of:		
						OBL species x 1	=	
	The second	100		-	- T	FACW species x 2	=	E TO
				-		FAC species x 3	=	
		_				FACU species x 4	=	
	_		-			=	- Mari	
	_		-		Column totals (A)		(B)	
	_				Prevalence Index = B/A =	-		
			0 :	Total Cover		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Plot Size /	5'	1	Absolute					etation
FIOT SIZE (		,	% Cover	Species				
			40	Y				0.0
IS						Morphogical adaptation	ıs* (pro	vide
ana		91	10	N	FACW		arks or	on a
artica			10	N				
			10	N	FAC	Problematic hydrophyti	c veget	ation*
itea			10	N		(explain)		
icinale			5	N	FACU	*Indicators of hydric soil and wetla	and hydro	logy must
						present, unless disturbed or probl	ematic	
						Definitions of Vegetation	Strata	
		107				Tree - Woody plants 3 in (7.6 cm	) or more	in diamet
						breast height (DBH), regardless of	f height.	, iii didiiiio
				-		Sapling/shrub - Woody plants le	ss than 3	in. DBH a
			100	= Total Cover				
			Absolute	Dominant	Indicator	size, and woody plants less than	3.28 ft tal	l.
Plot Size (	30'	)	% Cover		Status	Woody vines - All woody vines a	reater the	an 3.28 ft i
						height.		
						Hydrophytic		
				-		vegetation		
			0	= Total Cover		present? N		
				= Total Cover		present? N	•	
hoto numbers h		a sepa		= Total Cover		present? N		
		a sepa		= Total Cover		present? N	•	
hoto numbers h		a sepa		= Total Cover		present? N	•	
	Plot Size (  Plot Size (  sina artica	Plot Size ( 15'  Plot Size ( 5'  is  ina  artica  itea  icinale	Plot Size ( 15' )  Plot Size ( 5' )  Is a sina artica sitea sicinale	Plot Size ( 30' ) % Cover	Plot Size ( 30' ) % Cover Species	Plot Size ( 30' )	Plot Size ( 30' ) Absolute % Cover Species Status  Plot Size ( 30' ) Absolute % Cover Species Status  Plot Size ( 30' ) Absolute Species Status  Plot Size ( 15' ) Absolute Species Status  Plot Size ( 5' ) Absolute Species Status Species Species Status Species Sp	Plot Size ( 30' )   Absolute % Cover   Species   Status   Species   Status   Species   Status   Species   Status   Species   Status   Species   Status   Ominant   Species   Status   Ominan

Project/Site: SCHERTZ PROPERTY	City/County:	WINNEBAGO Sampling Date: 5/9/17
Applicant/Owner: NICK & ROBYN SCHER	RTZ	State: WISCONSIN Sampling Point: B5
Investigator(s): BRIAN D. BATES, PSS, CS	T & TOM NEITZEL, PSS	Section, Township, Range: SECTION 9, T18N, R16E
Landform (hillslope, terrace, etc.): BACKS		ocal relief (concave, convex, none): CONCAVE
Slope (%): 3 TO 4 Lat.: ***	Long.: ***	Datum: ***CONTACT SCHULER & ASSOCIATES
Soil Map Unit Name MANAWA SILTY CLAY	LOAM (MaA)	NWI Classification: FORESTED/SCHRUB
Are climatic/hydrologic conditions of the site t	typical for this time of the yea	r? Yes (If no, explain in remarks)
Are vegetation , soil , or h	ydrology significant	tly disturbed? Are "normal
Are vegetation , soil , or h	ydrology naturally p	problematic? circumstances" present? Yes
(If needed, explain any answers in remarks)		
SUMMARY OF FINDINGS		
Hydrophytic vegetation present?	Y Is the sample	ed area within a wetland?
Hydric soil present?	Y	
Indicators of wetland hydrology present?	Y If yes, optiona	al wetland site ID:
_		
Remarks: (Explain alternative procedures her	re or in a separate report.)	
CLIMATIC CONDITIONS ARE NOR	MAL PER THE NRCS A	NTECEDENT HYDROLOGIC CONDITION
EVALUATION METHOD.		
IIVDDALAAV		
HYDROLOGY		
		Secondary Indicators (minimum of two
Primary Indicators (minimum of one is require		required)
Surface Water (A1)	Water-Stained Leaves (B9)	
X High Water Table (A2)	Aquatic Fauna (B13)	Drainage Patterns (B10)
X Saturation (A3)	Marl Deposits (B15)	Moss Trim Lines (B16)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	
Sediment Deposits (B2)	Oxidized Rhizospheres on I	
Drift Deposits (B3)	Roots (C3)	Saturation Visible on Aerial Imagery
Algal Mat or Crust (B4)	Presence of Reduced Iron (	(C4)(C9)
Iron Deposits (B5)	Recent Iron Reduction in Ti	illed Stunted or Stressed Plants (D1)
Inundation Visible on Aerial	Soils (C6)	X Geomorphic Position (D2)
Imagery (B7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Sparsely Vegetated Concave	Other (Explain in Remarks)	
Surface (B8)		Microtopographic Relief (D4)
Field Observations:		
Surface water present? Yes	No X Depth (inches	
Water table present? Yes X	No Depth (inches	
Saturation present? Yes X	No Depth (inches	
(includes capillary fringe)		present? Y
Describe recorded data (stream gauge, moni	itoring well, aerial photos, pre	evious inspections), if available:
Remarks:		

Plot Size (	30'	1	Absolute	Dominant	Indicator		20%	50%
Piot Gize (	00	,	% Cover	Species				18
			15					20
							0.50	0
rlvanica		-	10	<u> </u>	FACW	Woody Vine Stratum	0	0
		-				Dominance Test Worksh	eet	
		_			-	Number of Dominant		
			-			Species that are OBL.		
		_					3	(A)
		_	_					
		_						(B)
		5-1-TO.	35 =	Total Cover		Percent of Dominant		
						Species that are OBL,		
Diot Size /	15'	,	Absolute	Dominant	Indicator	FACW, or FAC:	75.00	% (A/E
Piot Size (	15	,	% Cover	Species	Status			
rtica			40	Υ	FAC		heet	
						Total % Cover of:		
		- 100		West of the second				
						FAC speciesx	3 =	
		Control of the Contro				FACU speciesx	4 =	
	- 1	_		-	-	UPL species x	5 =	
							) —	(B)
			40 =	Total Cover				
Plot Size /	5'	1	Absolute	Dominant				etation
1 101 0120 (	3	,	% Cover	Species	Status			
							marks or	on a
		100						
						Problematic hydrophy	tic veget	ation*
THE YEAR STATE						(explain)		
						*Indicators of hydric soil and we	tland hydro	logy must
						Definitions of Vegetation	n Strata	0)
			(( <del></del>					
			-					in diamet
						preast neight (DBH), regardless	or neight.	
							ess than 3	in. DBH a
			0	= Total Cover		greater than 3,28 ft (1 m) tall.		
				Total Oovel				
			Absolute	Dominant	Indicator	size, and woody plants less than	1 3.28 ft tal	i.
Plot Size (	30'	)				Woody vines - All woody vines	greater tha	n 3.28 ff i
			,, 55,61	57.555		height.	Stocker ale	0.20 11
		-W-22						
						Hydrophytic		
				-		vegetation		
			0	= Total Cover		present? Y	_	
ata munch cur b	010 01 05	0.005	arata abaat)					MENT 1974
DIO numbers h	OF S N	or M	IFFT FAC.N	TEST BASE	D ON NON	DOMINANTS NO HERI	BACEO	US
					P OIN INDIA.	DOMINATIO, NOTICIN	-, .	
VED, SAMPL								
	oto numbers h	Plot Size ( 15' rtica  Plot Size ( 5'  Plot Size ( 30'	Plot Size ( 15' )  Plot Size ( 5' )  Plot Size ( 30' )	Plot Size ( 30' ) % Cover 15 10 10 10 10 10 10 10 10 10 10 10 10 10	Plot Size ( 30' ) % Cover 15 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	Plot Size ( 30' ) % Cover 15	Plot Size ( 30' ) % Cover 15 PACU 15 PACU 15 PACU 15 PACU 16 PACU 10 P	Plot Size ( 30' ) Species Species Status Species PACU Saping/Shrub Stratum 7 Saping/Shrub Stratum 0 Novanica 10 Y FACW 10 Y FACW 10 Number of Dominant Species that are OBL, FACW, or FAC 11 Number of Dominant Species that are OBL, FACW, or FAC 11 Species 11 Species Shat are OBL, FACW, or FAC 11 Species 11 Species Shat are OBL, FACW, or FAC 11 Species 11 Species Shat are OBL, FACW, or FAC 11 Species 11 Spe

Project/Site: SCHERTZ PROPERTY	City/County:	WINNEBAGO Sampling Date: 5/9/17
Applicant/Owner: NICK & ROBYN SCHERTZ		State: WISCONSIN Sampling Point: B6
Investigator(s): BRIAN D. BATES, PSS, CST & T	OM NEITZEL, PSS	Section, Township, Range: SECTION 9, T18N, R16E
Landform (hillslope, terrace, etc.): BACKSLOP	L	ocal relief (concave, convex, none): CONCAVE
Slope (%): 3 TO 4 Lat.: ***	Long.: ***	Datum: ***CONTACT SCHULER & ASSOCIATES
Soil Map Unit Name POYGAN SILTY CLAY LOA	M (Pu)	NWI Classification: FORESTED/SCHRUB
Are climatic/hydrologic conditions of the site typic	al for this time of the yea	ar? Yes (If no, explain in remarks)
Are vegetation , soil , or hydro	ogy significan	itly disturbed? Are "normal
Are vegetation , soil , or hydro	ogynaturally	problematic? circumstances" present? Yes
(If needed, explain any answers in remarks)		
ALTERNATIVA DE PINDINIOS		
SUMMARY OF FINDINGS		
Hydrophytic vegetation present? Y	is the sampl	ed area within a wetland?
Hydric soil present?	- 10 010 001117	
Indicators of wetland hydrology present?	- If we contion	al wetland site ID:
indicators of wetland hydrology present?	- If yes, option	ar wetland site is.
Remarks: (Explain alternative procedures here or	in a separate report.)	
CLIMATIC CONDITIONS ARE NORMA	PER THE NRCS A	INTECEDENT HYDROLOGIC CONDITION
EVALUATION METHOD.		
HYDROLOGY		
		Secondary Indicators (minimum of two
Primary Indicators (minimum of one is required; of		required)
	/ater-Stained Leaves (B9	
	quatic Fauna (B13)	Drainage Patterns (B10)
	larl Deposits (B15)	Moss Trim Lines (B16)  Dry-Season Water Table (C2)
	ydrogen Sulfide Odor (C	
	xidized Rhizospheres on	Saturation Visible on Aerial Imagery
	oots (C3) resence of Reduced Iron	
	ecent Iron Reduction in	
	oils (C6)	Geomorphic Position (D2)
	hin Muck Surface (C7)	Shallow Aquitard (D3)
	ther (Explain in Remarks	
Sparsely Vegetated ConcaveC Surface (B8)	ther (Explain in Remarks	Microtopographic Relief (D4)
Surface (Bb)		
Field Observations:		
Surface water present? Yes No	X Depth (inche	
Water table present? Yes X No	Depth (inche	s): -16 wetland
Saturation present? Yes X No	Depth (inche	s): -14 hydrology
(includes capillary fringe)		present? N
		Constitution
Describe recorded data (stream gauge, monitoring	g well, aerial photos, pr	revious inspections), if available:
Remarks:		
NO PRIMARY OR SECONDARY INDIC	ATORS OF HYDRO	OLOGY WERE OBSERVED
IND FINIMANT ON GLOCKDANT INDIC	ALI DILO DI TITORE	

se scientific n		-				E0/20 Throcholde		
Plot Size (	30'	)	Absolute % Cover 20 15	Dominant Species Y	Indicator Status FAC FACU	Tree Stratum Sapling/Shrub Stratum Herb Stratum	20% 7 8 0	50% 18 20 0
						Dominance Test Worksho Number of Dominant Species that are OBL, FACW, or FAC:	eet 2	0 (A)
		_		-				(B)
Plot Size (	15'	)	Absolute	Dominant	Indicator	Percent of Dominant Species that are OBL, FACW, or FAC:	66.67	7%_ (A/E
1 101 0126 (	10	,				December 2 Index Works	anot.	
artica			40	<u> </u>	FAC	Total % Cover of: OBL speciesx 1		
						FAC species x 3	<u> </u>	
							(B)	
- Pr			40	= Total Cover				
erb Stratum Plot Size ( 5' )	)	Absolute % Cover	Dominant Species	Indicator Status	Rapid test for hydroph  X Dominance test is >50  Prevalence index is ≤  Morphogical adaptatio supporting data in Rer	ytic veg % 3.0* ns* (pro	etation	
						Problematic hydrophyl (explain)		
						present, unless disturbed or prot	lematic	Jiogy musi
	- Company					breast height (DBH), regardless	of height.	
				- Total Cover				, III. DDITT
Plot Size (	30'	)	Absolute	Dominant	Indicator	size, and woody plants less than	3.28 ft ta	II.
	XWV - EF		70 00001			height.	grouter an	
						Hydrophytic		
A			0	= Total Cover		present? Y		
	Plot Size ( Plot Size ( Plot Size (	Plot Size ( 15'	Plot Size ( 15' )  Plot Size ( 5' )	Plot Size ( 30' ) % Cover 20	Plot Size ( 30' ) % Cover 20 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	Plot Size ( 30' ) % Cover 20 Y FAC FAC 15 Y FACU  35 = Total Cover  Plot Size ( 15' ) Absolute % Cover Species Y FAC Status FAC  40 = Total Cover  Plot Size ( 5' ) Absolute % Cover Species Y FAC Status FAC Species Status Species Species Status Species Species Status Species Specie	Plot Size ( 30' ) Absolute % Cover 2 Species Status FACU 15 Y FACU Woody Vine Stratum Woody Vines All woody vines and woody vi	Plot Size ( 30' ) Absolute % Cover 20

Applicant/Owner: NICK	PROPERTY		City/County:	WINNE	51100	Sampling Date: 5/9/17		
	& ROBYN SCH				WISCONSIN		B7	
nvestigator(s): BRIAN D.	BATES, PSS, C	ST & TOM NE	EITZEL, PSS			Range: SECTION 9, T		
andform (hillslope, terrace	e, etc.): BACK	SLOPE	Lo			onvex, none): NON		
Slope (%): 2 TO 3 Lat	***	Long	J.: ***	Date		TACT SCHULER & AS		
Soil Map Unit Name POYO		Y LOAM (Pu)			NWI Cla	assification: FOREST	ED/SHRU	
Are climatic/hydrologic con	ditions of the sit	e typical for th	is time of the yea	ir? Yes	(If no, e	xplain in remarks)		
Are vegetation , so						Are "normal		
Are vegetation , so		hydrology	naturally	problemati	c?	circumstances" preser	t? Ye	
(If needed, explain any ans						•		
SUMMARY OF FINDIN	NGS							
Hydrophytic vegetation pre	sent?	Y	Is the sample	ed area w	ithin a wetla	and? N		
Hydric soil present?		N						
Indicators of wetland hydro	logy present?	<u>N</u>	If yes, optiona	al wetland	site ID:			
Remarks: (Explain alternat	ive procedures h	nere or in a se	parate report.)					
CLIMATIC CONDITION	ONS ARE NO	RMAL PER	THE NRCS A	NTECED	DENT HYD	ROLOGIC CONDIT	ION	
<b>EVALUATION METH</b>	IOD.							
HYDROLOGY								
						ary Indicators (minimus	n of two	
Primary Indicators (minimu	ım of one is requ	ired; check al	Il that apply)		required			
Surface Water (A1)		Water-St	ained Leaves (B9)	)	Surface Soil Cracks (B6)			
High Water Table (A2)		Aquatic F	Fauna (B13)		Drainage Patterns (B10)			
Saturation (A3)		Marl Dep	osits (B15)		Moss Trim Lines (B16)			
Water Marks (B1)		Hydroger	n Sulfide Odor (C1	)	Dry-	Season Water Table (C	2)	
Sediment Deposits (B2)		Oxidized	Rhizospheres on	Living	Cra	yfish Burrows (C8)		
		Roots (C	3)		Saturation Visible on Aerial Imagery			
Drift Deposits (B3)			of Doduced Issu	(C4)				
		Presence	e of Reduced Iron	(01)	(C9)			
Algal Mat or Crust (B4)					100000000000000000000000000000000000000		(D1)	
Algal Mat or Crust (B4) Iron Deposits (B5)	erial	Recent In	ron Reduction in T		Stur	nted or Stressed Plants	(D1)	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae	erial	Recent In	ron Reduction in T		Stur Geo	nted or Stressed Plants emorphic Position (D2)	(D1)	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7)		Recent In Soils (C6	ron Reduction in T i) ck Surface (C7)	illed	Stur Geo Sha	nted or Stressed Plants morphic Position (D2) llow Aquitard (D3)	(D1)	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7) Sparsely Vegetated Cor		Recent In Soils (C6	ron Reduction in T	illed	Stur Geo Sha FAC	nted or Stressed Plants emorphic Position (D2) llow Aquitard (D3) C-Neutral Test (D5)	******	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7)		Recent In Soils (C6	ron Reduction in T i) ck Surface (C7)	illed	Stur Geo Sha FAC	nted or Stressed Plants morphic Position (D2) llow Aquitard (D3)	******	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7) Sparsely Vegetated Cor Surface (B8)		Recent In Soils (C6	ron Reduction in T i) ck Surface (C7)	illed	Stur Geo Sha FAC	nted or Stressed Plants emorphic Position (D2) llow Aquitard (D3) C-Neutral Test (D5)	******	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7) Sparsely Vegetated Cor Surface (B8)		Recent In Soils (C6	ron Reduction in T is) ok Surface (C7) xplain in Remarks)	illed	Stur Geo Sha FAC	nted or Stressed Plants emorphic Position (D2) llow Aquitard (D3) C-Neutral Test (D5)	*******	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7) Sparsely Vegetated Cor Surface (B8)  Field Observations: Surface water present?	ncave	Recent Ir Soils (C6 Thin Muc Other (Ex	ron Reduction in T  ck Surface (C7)  xplain in Remarks	illed ) s):	Stur Geo Sha FAC	nted or Stressed Plants omorphic Position (D2) llow Aquitard (D3) C-Neutral Test (D5) rotopographic Relief (D4	******	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7) Sparsely Vegetated Cor Surface (B8)  Field Observations: Surface water present? Water table present?	Yes	Recent Ir Soils (C6 Thin Muc Other (Ex	ron Reduction in T  ck Surface (C7)  xplain in Remarks  Depth (inches	illed ) s):s):	Stur Geo Sha FAC	nted or Stressed Plants omorphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5) rotopographic Relief (D4  Indicators of wetland	******	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7) Sparsely Vegetated Cor Surface (B8)  Field Observations: Surface water present? Water table present? Saturation present?	Yes	Recent Ir Soils (C6 Thin Muc Other (Ex	ron Reduction in T  ck Surface (C7)  xplain in Remarks  Depth (inches	illed ) s):s):	Stur Geo Sha FAC	nted or Stressed Plants omorphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5) rotopographic Relief (D4  Indicators of wetland hydrology	******	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7) Sparsely Vegetated Cor Surface (B8)  Field Observations: Surface water present? Water table present? Saturation present?	Yes	Recent Ir Soils (C6 Thin Muc Other (Ex	ron Reduction in T  ck Surface (C7)  xplain in Remarks  Depth (inches	illed ) s):s):	Stur Geo Sha FAC	nted or Stressed Plants omorphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5) rotopographic Relief (D4  Indicators of wetland hydrology	*******	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7) Sparsely Vegetated Cor Surface (B8)  Field Observations: Surface water present? Water table present? Saturation present? (includes capillary fringe)	Yes Yes Yes	Recent Ir Soils (C6 Thin Muc Other (Ex	ron Reduction in T  b) ck Surface (C7) xplain in Remarks  Depth (inches Depth (inches	s):s):s):	Stur Geo Sha FAC Micr	nted or Stressed Plants omorphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5) rotopographic Relief (D4  Indicators of wetland hydrology present?  N		
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7) Sparsely Vegetated Cor	Yes Yes Yes	Recent Ir Soils (C6 Thin Muc Other (Ex	ron Reduction in T  b) ck Surface (C7) xplain in Remarks  Depth (inches Depth (inches	s):s):s):	Stur Geo Sha FAC Micr	nted or Stressed Plants omorphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5) rotopographic Relief (D4  Indicators of wetland hydrology present?  N	*******	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7) Sparsely Vegetated Cor Surface (B8)  Field Observations: Surface water present? Water table present? Saturation present? (includes capillary fringe)	Yes Yes Yes	Recent Ir Soils (C6 Thin Muc Other (Ex	ron Reduction in T  b) ck Surface (C7) xplain in Remarks  Depth (inches Depth (inches	s):s):s):	Stur Geo Sha FAC Micr	nted or Stressed Plants omorphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5) rotopographic Relief (D4  Indicators of wetland hydrology present?  N	******	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7) Sparsely Vegetated Cor Surface (B8)  Field Observations: Surface water present? Water table present? Saturation present? (includes capillary fringe)	Yes Yes Yes	Recent Ir Soils (C6 Thin Muc Other (Ex	ron Reduction in T  b) ck Surface (C7) xplain in Remarks  Depth (inches Depth (inches	s):s):s):	Stur Geo Sha FAC Micr	nted or Stressed Plants omorphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5) rotopographic Relief (D4  Indicators of wetland hydrology present?  N	*******	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on As Imagery (B7) Sparsely Vegetated Cor Surface (B8)  Field Observations: Surface water present? Water table present? Saturation present? (includes capillary fringe)  Describe recorded data (st	Yes Yes Yes	Recent Ir Soils (C6 Thin Muc Other (Ex	ron Reduction in T  b) ck Surface (C7) xplain in Remarks  Depth (inches Depth (inches	s):s):s):	Stur Geo Sha FAC Micr	nted or Stressed Plants omorphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5) rotopographic Relief (D4  Indicators of wetland hydrology present?  N	******	
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Imagery (B7) Sparsely Vegetated Cor Surface (B8)  Field Observations: Surface water present? Water table present? Saturation present? (includes capillary fringe)	Yes Yes Yes Yes Tream gauge, mo	Recent Ir Soils (C6 Thin Muc Other (E)  No X No X Onitoring well,	ron Reduction in T  b) ck Surface (C7) xplain in Remarks;  Depth (inches Depth (inches Depth (inches Depth (inches	illed ) s):s):s):evious insp	Stur Geo Sha FAC Micr	nted or Stressed Plants omorphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5) rotopographic Relief (D4  Indicators of wetland hydrology present?  N  available:	*******	

Tree Stratum	Plot Size (	30'	)	Absolute % Cover	Dominant Species	Indicator Status	50/20 Thresholds  Tree Stratum	20% 18	50% 45
Tilia americana				70	Υ	FACU	Sapling/Shrub Stratum	4	10
Fraxinus pennsy	Ivanica			20	Y .	FACW	Herb Stratum	0	0
Traxinus permisy	Tramou						Woody Vine Stratum	0	0
			_				Dominance Test Workshe	et	
			-				Number of Dominant		
			_				Species that are OBL,		
							FACW, or FAC:	2	(A)
							Total Number of Dominant		
							Species Across all Strata:		(B)
-				90 =	Total Cover		Percent of Dominant		
							Species that are OBL,		
Saulia a IOhauh				Absolute	Dominant	Indicator	FACW, or FAC:	66.67	% (A/B
Sapling/Shrub Stratum	Plot Size (	15'	)	% Cover	Species	Status	TAOW, OF TAO.		, <del>,</del> (, , ,
Rhamnus catha	rtica			20	Y	FAC	Prevalence Index Worksh	eet	
- Tananas same		anne Wa	_				Total % Cover of:		
		_					OBL species x 1	=	
					-		FACW species x 2	-	_
				-	4				_
								_	
			-				FACU species x 4		
							UPL species x 5		
							Column totals(A)		(B)
						Prevalence Index = B/A =			
				/					
				20	= Total Cover		Hydrophytic Vegetation I	ndicator	re.
					D	to disease.	Rapid test for hydrophy		
Herb Stratum	Plot Size (	5'	)	Absolute	Dominant	Indicator	X Dominance test is >50		tation
				% Cover	Species	Status	The second secon		
							Prevalence index is ≤3		
			200	William Control			Morphogical adaptation		
3				The same of the same			supporting data in Ren	narks or	on a
					And the second	III THE REAL PROPERTY.	separate sheet)		
5							Problematic hydrophyt	ic vegeta	ation*
				7			(explain)		
							*Indicators of hydric soil and wetla	and hydrol	oav must b
3	****						present, unless disturbed or prob		ogy mast i
9				-	-		Definitions of Vegetation	Strata:	
				-					
							Tree - Woody plants 3 in. (7.6 cm breast height (DBH), regardless of		in diamete
3									
4			_	-			Sapling/shrub - Woody plants le greater than 3.28 ft (1 m) tall.		n. DBH an
				0	= Total Cover		Herb - All herbaceous (non-wood		regardless
							size, and woody plants less than		
Woody Vine	Plot Size (	30'	)	Absolute	Dominant	Indicator			
Stratum	1 101 0120 (	00	,	% Cover	Species	Status	Woody vines - All woody vines g	reater that	n 3.28 ft in
1							height.		
2									
					-	57	Distance France		
A CONTRACTOR OF THE PARTY OF TH			_	-	-	-	Hydrophytic vegetation		
5					- Total Cause				
					= Total Cover		present? Y	-	
	oto numbers h	ere or on	a sep	arate sheet)					
emarks: (Include ph		TO STATE OF THE PARTY OF THE PA							110
DOMINANTS AF	RE EQUAL.	DOES N	TO	MEET FAC-I	N TEST BASE	D ON NON	I-DOMINANTS. NO HERE	BACEO	US
emarks: (Include ph DOMINANTS AF LAYER WAS OE	RE EQUAL.	DOES N	TO	MEET FAC-I	N TEST BASE	ED ON NON	I-DOMINANTS. NO HERE	BACEO	US

Depth	Matrix		Red	lox Feat	tures	3. 48.00	Texture	Remarks
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**		
0-15	7.5 YR 3/2	100					SICL	A
15-24	5-24 5 YR 5/3 90 5 Y			10	С	M	С	Bt
	Concentration, D PL=Pore Lining			ed Matri	ix, CS=C	overed o	or Coated Sand Grain	IS
	I Indicators:						Indicators for P	roblematic Hydric Soils:
Bla Hy Str De Th Sa Sa Sa Str	stic Epipedon (A/ack Histic (A3) drogen Sulfide (Aatified Layers (Aatified Layers (Aatified Layers (Aatified Layers (Aatified Below Datick Dark Surface (Aatified Below Material (Aatified Below Material (Aatified Below (A	A4) 5) rk Sufa (A12) ral (S1) rix (S4) 6) (LRR R	Thi(LF	n Dark RR R, M amy Mu RR K, L amy Gle pleted I dox Dai pleted I dox De	eyed Mat Matrix (Fark Surfact Dark Surfact Dark Surfact Pressions	(S9) BB eral (F1) rix (F2) 3) e (F6) face (F7) s (F8)	5 cm Mucky Dark Surface Polyvalue Be Thin Dark St Iron-Mangar Piedmont Fle Mesic Spodi Red Parent Very Shallov	e Redox (A16) (LRR K, L, R) Peat or Peat (S3) (LRR K, L, R) e (S7) (LRR K, L elow Surface (S8) (LRR K, L) urface (S9) (LRR K, L) nese Masses (F12) (LRR K, L, R) oodplain Soils (F19) (MLRA 1498 ic (TA6) (MLRA 144A, 145, 1498 Material (F21) w Dark Surface (TF12) ain in Remarks) or problematic
Restrictive Type: Depth (inc	Layer (if observ	ed):					Hydric soil pre	esent? N
Remarks: NO HY	DRIC SOIL IN	IDICAT	FORS WERE	OBSE	RVED.			

Project/Site: SCHERTZ PROPERTY	City/County:	WINNEBAGO	Sampling Date: 5/9/17
Applicant/Owner: NICK & ROBYN SCHERTZ		State: WISC	ONSIN Sampling Point: B8
Investigator(s): BRIAN D. BATES, PSS, CST & TOM NE	ITZEL. PSS		ship, Range: SECTION 9, T18N, R16E
Landform (hillslope, terrace, etc.): TOESLOPE	Lo		ve, convex, none): CONCAVE
Slope (%): 0 TO 1 Lat.: *** Long.		Datum: ***	CONTACT SCHULER & ASSOCIATES
Soil Map Unit Name POYGAN SILTY CLAY LOAM (Pu)			WI Classification: FORESTED/SHRUB
Are climatic/hydrologic conditions of the site typical for thi	s time of the vea		no, explain in remarks)
Are vegetation , soil , or hydrology		ly disturbed?	Are "normal
Are vegetation , soil , or hydrology		roblematic?	circumstances" present? Yes
(If needed, explain any answers in remarks)			
OLIMAN A DV. OF FINDINGS			
SUMMARY OF FINDINGS			
Hydrophytic vegetation present?	Is the sample	d area within a	wetland?
Hydric soil present?	•		<del></del>
Indicators of wetland hydrology present?	If ves. optiona	I wetland site ID	
maissaisis si matana nyaratagy processis.	,,		
Remarks: (Explain alternative procedures here or in a ser	parate report.)	70 1111	
CLIMATIC CONDITIONS ARE NORMAL PER	THE NRCS A	NTECEDENT	HYDROLOGIC CONDITION
EVALUATION METHOD.			
HYDROLOGY			
III DICOECOT		C.	econdary Indicators (minimum of two
Primary Indicators (minimum of one is required; check all	that apply)		quired)
	ained Leaves (B9)		Surface Soil Cracks (B6)
	auna (B13)	-	Drainage Patterns (B10)
	osits (B15)		Moss Trim Lines (B16)
	Sulfide Odor (C1)	<del>-</del>	Dry-Season Water Table (C2)
	Rhizospheres on I		Crayfish Burrows (C8)
X Drift Deposits (B3) Roots (C3			Saturation Visible on Aerial Imagery
	of Reduced Iron (	(C4)	(C9)
	on Reduction in Ti		Stunted or Stressed Plants (D1)
Inundation Visible on Aerial Soils (C6)			Geomorphic Position (D2)
	k Surface (C7)		Shallow Aquitard (D3)
	plain in Remarks)	<del>2</del>	FAC-Neutral Test (D5)
X Surface (B8)	piairi ii remarks)	-	Microtopographic Relief (D4)
A Surface (Bb)		_	_ Microtopographic Relief (D4)
Field Observations:			
Surface water present? Yes No X	Depth (inches	):	Indicators of
Water table present? Yes X No	Depth (inches		wetland
Saturation present? Yes X No	Depth (inches	): 0	hydrology
(includes capillary fringe)			present? Y
Describe recorded data (stream gauge, monitoring well, a	erial photos, pre	vious inspection	s), if available:
D 1			
Remarks:			

OLIMITOR OU	scientific na								
			***************************************				50/20 Thresholds		
			1/20	Absolute	Dominant	Indicator		20%	50%
ree Stratum	Plot Size (	30'	)	% Cover	Species	Status	Tree Stratum	18	45
Tills americans				30	Υ	FACU	Sapling/Shrub Stratum	2	5
Tilia americana				30		FAC	Herb Stratum	0	0
Acer negundo			_	30	<u> </u>	FACW	Woody Vine Stratum	0	0
Fraxinus pennsy	lvanica					PACV	vvocay vino circum		
			_				Dominance Test Workshe	et	
							Number of Dominant		
							The state of the s		
							Species that are OBL,	3	(A)
							FACW, or FAC:		(^)
			- A				Total Number of Dominant		(0)
							Species Across all Strata:	4	(B)
			7	90 =	Total Cover		Percent of Dominant		
							Species that are OBL,		
P 10hh				Absolute	Dominant	Indicator	FACW, or FAC:	75.00	0% (A/E
Sapling/Shrub	Plot Size (	15'	)	% Cover	Species	Status			
Stratum					20				
Rhamnus catha	rtica			10	Υ	FAC	Prevalence Index Worksh	ieet	
							Total % Cover of:		
	700						OBL species x 1	=	
			- 1	-			FACW species x 2	=	
				-	*		FAC species x 3	=	
							FACU species x 4		
						-	UPL species x 5	-	
							Column totals (A)		(B)
							Prevalence Index = B/A =	-	
							Prevalence index - bin -	_	
				10	= Total Cover				
							Hydrophytic Vegetation I		
	DI 1 0' 1		,	Absolute	Dominant	Indicator	Rapid test for hydroph		etation
Herb Stratum	Plot Size (	5'	)	% Cover	Species	Status	X Dominance test is >50		
							Prevalence index is ≤3		
	-						Morphogical adaptatio	ns* (pro	vide
		_		-	- No		supporting data in Rer		
	-						separate sheet)		
				-			Problematic hydrophyl	ic vege	tation*
							(explain)		
							*Indicators of hydric soil and wet present, unless disturbed or prob	and nyuro	Jiogy musi
3							present, unless disturbed of proc	Ciliano	
				-			Definitions of Venetation	Ctroto	
)							Definitions of Vegetation	Strata	•
							Tree - Woody plants 3 in. (7.6 cr	n) or more	e in diame
2							breast height (DBH), regardless		
3		- OUR THE					-		
							Sapling/shrub - Woody plants le	ess than 3	in. DBH a
				-			greater than 3.28 ft (1 m) tall.		
				0	= Total Cover				
							Herb - All herbaceous (non-woo		
				Absoluto	Dominant	Indicator	size, and woody plants less than	3.28 ft ta	Ш.
Woody Vine	Plot Size (	30'	)	Absolute					2 20 6
Stratum				% Cover	Species	Status	Woody vines - All woody vines	greater th	an 3.20 It
1		1-1-					height.		
2									
3									
4							Hydrophytic		
5							vegetation		
				0	= Total Cover		present? Y		
					- Total Cover		present:		
		acro or o	1 2 000	arate sheet)					
emarks: (Include ph									
emarks: (Include ph DOMINANTS AI					N TEST.				
					N TEST.				

Project/Site: SCHERTZ PROPE	RTY	City/County:	WINNE	BAGO	_Sampling Date: 5/9/1	7
Applicant/Owner: NICK & ROBY	'N SCHERTZ		State:	WISCONS	SIN Sampling Point:	B9
Investigator(s): BRIAN D. BATES,	PSS, CST & TOM N	NEITZEL, PSS	Section	, Township	, Range: SECTION 9,	T18N, R16E
Landform (hillslope, terrace, etc.):			cal relief	(concave,	convex, none): NON	IE
Slope (%): 2 TO 3 Lat.: ***		ng.: ***	Dat	um: ***CO	NTACT SCHULER & A	SSOCIATES
Soil Map Unit Name POYGAN SILT	19970			NWI C	Classification: FORES	TED/SHRUB
Are climatic/hydrologic conditions o	f the site typical for f	this time of the year	r? Yes	(If no,	explain in remarks)	
Are vegetation , soil			ly disturbe	ed?	Are "normal	
Are vegetation , soil	, or hydrology	naturally p			circumstances" prese	ent? Yes
(If needed, explain any answers in r					Secretaria de la composición del la composición del composición de la composición del composición del composición de la composición del la composición de la composición de la composición del composición del composición del composición del composición del composici	
(,						
SUMMARY OF FINDINGS						
Hydrophytic vegetation present?	Y	Is the sample	ed area w	ithin a wet	tland? N	
Hydric soil present?	N					
Indicators of wetland hydrology pre-	sent? N	If yes, optiona	wetland	site ID:		
maladicis of wedana myarology pro-	Jone:	, 550, 551,6116				
Remarks: (Explain alternative proce	edures here or in a s	eparate report.)		1707111		
Tremante. (Explain attendants prose		openate (opena)				
CLIMATIC CONDITIONS AF	RE NORMAL PER	R THE NRCS A	NTECE	DENT HY	DROLOGIC COND	ITION
EVALUATION METHOD.	(LITORIUM LET LI	t III III too / t			Divided Grand	
EVALUATION WILLTIOD.						
HYDROLOGY						
				Secon	dary Indicators (minim	um of two
Primary Indicators (minimum of one	is required: check	all that annly)		require		ani oi iwo
Surface Water (A1)		Stained Leaves (B9)			urface Soil Cracks (B6)	
		Fauna (B13)			rainage Patterns (B10)	
High Water Table (A2)		eposits (B15)			oss Trim Lines (B16)	
Saturation (A3) Water Marks (B1)		en Sulfide Odor (C1	1		ry-Season Water Table (	(2)
		d Rhizospheres on			rayfish Burrows (C8)	02)
Sediment Deposits (B2)			Living	The same of the sa	aturation Visible on Aeria	l Imagan,
Drift Deposits (B3)	— Roots (		(CA)			ii imagery
Algal Mat or Crust (B4)		ce of Reduced Iron			(9)	(D4)
Iron Deposits (B5)		Iron Reduction in T	illed		unted or Stressed Plants	
Inundation Visible on Aerial	Soils (C				eomorphic Position (D2)	
Imagery (B7)		uck Surface (C7)			nallow Aquitard (D3)	
Sparsely Vegetated Concave	Other (	Explain in Remarks)			AC-Neutral Test (D5)	
Surface (B8)				MI	icrotopographic Relief (D	14)
Field Observations:						
Surface water present? Yes	No 2	X Depth (inches	3):		Indicators of	
Water table present? Yes		X Depth (inches			wetland	
Saturation present? Yes		X Depth (inches			hydrology	
(includes capillary fringe)					present? N	
(morades capitally fillige)					P10001111	
Describe recorded data (stream ga	uge monitoring well	aerial photos pre	vious insi	nections) i	f available	
Describe recorded data (stream ga	age, monitoring won	, acriai priotoc, pre	wiodo iiioj	, 1	r available.	
Remarks:				-	THE STATE OF THE S	
NO PRIMARY OR SECOND	ARY INDICATO	BS OF HADBOI	OGVIA	IERE OR	SERVED	
INO FRIMART OR SECOND	ALL INDICATO	NO OF HIDRO	LUGIW	ILINE OB	SLIVED.	

se scientific na						Sampling Po	100	
Plot Size (	30'	)	Absolute % Cover	Dominant Species Y	Indicator Status FACU	50/20 Thresholds  Tree Stratum Sapling/Shrub Stratum	20% 16 4	50% 40 10
THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS		_					0	0
sylvanica		_	20	Y	FAC	Woody Vine Stratum	0	0
						Number of Dominant	eet	
						FACW, or FAC:	3	(A)
				-				(B)
			80 =	Total Cover		Percent of Dominant Species that are OBL,		
Plot Size (	15'	)	Absolute % Cover	Dominant Species	Indicator Status	FACW, or FAC:	75.00	<u>%</u> (A/
artica			20	Υ	FAC		heet	
						Total % Cover of:	-	
								-
				-				_
						UPL species x 5		
								(B)
				141		Prevalence Index = B/A =		
			20	= Total Cover				
Plot Size (	5'	)	Absolute % Cover	Dominant Species	Indicator Status	Rapid test for hydroph  X Dominance test is >50  Prevalence index is ≤  Morphogical adaptation	ytic vege )% 3.0* ons* (prov	etation
		=				separate sheet)		
								logy mus
						Definitions of Vegetation	Strata:	
								in diame
			-					in. DBH a
			0	= Total Cover		Herb - All herbaceous (non-woo	dy) plants.	regardles
Plot Size (	30'	)	Absolute % Cover	Dominant Species	Indicator Status	size, and woody plants less than	3.28 ft tall	
		_					-	
						Hydrophytic		
		_				vegetation		
	Plot Size (	Plot Size ( 15'	Plot Size ( 15' )  Plot Size ( 5' )	Plot Size ( 30' ) % Cover 30 30 30 20	Plot Size ( 30' ) % Cover 30	Plot Size ( 30' )	Plot Size ( 30' ) % Cover 30	Plot Size ( 30' ) % Cover species Status Y FACU FACU Y FACU Y FACU Herb Stratum 16 sapling/Shrub Stratum 1 4 Herb Stratum 1 0 Woody Vine Stratum 1 0 Woody Vines Stratum 1