Wetland Delineation Report

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Woodland Drive West

Village of Waunakee, Dane County Wisconsin

August 9th, 2022



Village of Waunakee, Dane County, Wisconsin

August 9th, 2022

Prepared for: Lone Silo North Addition, LLC 3564 Egre Road DeForest, WI 53532 Jktierney999@gmail.com

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WDNR Assured Wetland Delineator

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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 is an **Assured Wetland Delineator** under Wisconsin Department of Natural Resources guidelines. Taylor has attended the "Critical Methods in Wetland Delineation" training course annually since 2006. 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 2006, Cable, WI. University of Wisconsin, La Crosse Continuing Education & Extension)
- ➤ Advanced Wetland Delineation Training (August 2018, Wisconsin Rapids, WI University of Wisconsin, La Crosse Continuing Education & Extension).
- ➤ Hydric Soils Identification (June 2014, UW-Waukesha Field Station University of Wisconsin, La Crosse Continuing Education & Extension).

Introduction

On May 11th of 2022, Scott Taylor of Taylor Conservation, LLC performed wetland determinations and delineations on the Woodland Drive West tract (hereafter "the wetland investigation area") on behalf of Lone Silo North Addition, LLC. Wetland determinations and delineations identify and map wetlands within the wetland investigation area.

The wetland investigation area was approximately 125 acres (Figures 1 & 2). It spanned the Village of Waunakee and the Town of Westport, Dane County, Wisconsin, SENW, SWNE, SENE, NWNE, NENE, Section 18, T08N, R09E. It was situated on the south side of Woodland Drive, 0.2 mile west of the intersection with County Highway Q.

Investigation area terrain was variable. The east and south areas were steep. The west and north areas were flat to gently sloping. Land cover consisted primarily of cropland. However, there were scattered, small meadows interspersed with trees and brush. There was also a grassy drainage swale cutting across the south end of the investigation area.

The low-lying meadow in the southwest corner was found to be a wetland (Figure 2).

A segment of the investigation area (approximately 15 acres) saw installation of a subsurface drainage system (hereafter "drain tiles") in 2020 (Figure 2). Aerial image review (Appendixes I & II) and soil data (see plots 11 & 12) suggested this area possessed wetland conditions. Nonetheless, the investigator will argue this area no longer possesses wetland conditions based on the specifications of the drain tile network provided by the installer (Appendix V) and based on hydrology monitoring conducted

from May to July of 2022. See "Discussion of Low-lying Field" below (page 9) for discussion.

The property owner plans to build a residential development on this site. 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 investigation area.

Methods

Desktop Review

The following reference materials were reviewed prior to performing fieldwork:

- 1) Web Soil Survey (Natural Resource Conservation Service).
- 2) Wisconsin Wetland Inventory (WDNR Surface Water Data Viewer).
- 3) Wetland Indicators (WDNR Surface Water Data Viewer).
- 4) 24K Hydrography, Streams, Rivers & Intermittent Streams (WDNR Surface Water Data Viewer).
- 5) 7.5-minute quadrangle map (United States Geological Survey).
- 6) Aerial imagery for multiple past years (Google Earth, USDA Farm Service Agency).
- 7) Antecedent Precipitation Tool (Army Corps of Engineers).

Wetland determinations and the delineations in Wisconsin follow procedures set forth in the following:

- 1) <u>The Corps of Engineers Wetlands Delineation Manual</u> (US Army Corps of Engineers 1987).
- 2) <u>Regional Supplement to the Corps of Engineers Wetland Delineation Manual:</u> <u>Northcentral & Northeast Region</u> (US Army Corps of Engineers 2012).
- 3) <u>Guidance for Submittal of Delineation Reports to the St. Paul District Army</u>
 <u>Corps of Engineers & the Wisconsin DNR</u> (WI Department of Natural Resources 2015).

Data Collection

Vegetation, hydrology and soil information were gathered in sample plots and recorded on U.S. Army Corps of Engineers "Wetland Determination Data Forms" for the appropriate region. 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, a 20 inch-deep (at minimum) 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.

In agricultural areas, wetland determinations followed the methods in <u>Guidance for Offsite Hydrology/Wetland Determinations</u> (Army Corps of Engineers & Minnesota

Board of Water & Soils Resources 2016). Aerial images (air photos) were inspected for "wetland signatures", or evidence of saturated soil, standing water or crop drown-out or stress. Images for 5 normal precipitation years, 6 wet years and 2 dry years between 2005 and 2021 (Appendixes I & II) were inspected (normal precipitation years were determined using methods from "Hydrology Tools for Wetland Determination", NRCS 1997). If a site possessed wetland signatures for at least 3 of the 5 normal precipitation years, it was judged to have wetland hydrology. However, if field evidence, e.g., presence of wetland obligate plants or stunted crops, strongly suggested an area was wetland, it was determined to be so in spite of lacking wetland signatures 3 of 5 normal precipitation years on crop slides.

Transect & Sample Plot Location

Transect beginning points (sample plots) were located inside of areas that appeared to have potential to be wetlands based on maps and field observations. These areas included mapped hydric soil locations, Wisconsin Wetland Inventory-mapped wetlands, and areas that showed pronounced wetland signatures on more than one year of aerial photography. They also included field observed plant communities typical of wetlands or field observed landscape features that collect water, like swales, depressions and drainageways.

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 15 plots were sampled, 4 inside of wetlands and 11 on the uplands (Figure 2).

Wetland Boundary Location

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 as black raspberry (*Rubus occidentalis*-Upl) and honeysuckle (*Lonicera X bella*-FacU), as one moved upslope, away from the wetland, was generally considered a reliable indicator of the wetland boundary.

Waterways

Complete assessment of waterways was outside the scope of this investigation. Nonetheless any waterways observed are noted in the report below.

Results and Discussion

Antecedent Precipitation

The following are the results of analysis of recent and historic precipitation data from the weather stations nearest the wetland investigation area using the Antecedent Precipitation Tool (Army Corps of Engineers). See Appendix IV for precipitation data graph, and for antecedent precipitation data for the dates of hydrology monitoring in the low-lying field.

Investigation Area Information:

Coordinates	43.17629, -89.470233
Observation Date	2022-05-11
Elevation (ft)	945.78
Drought Index (PDSI)	Moderate drought
WebWIMP H ₂ O Balance	Dry Season

Weather Stations of Source Data:

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
MADISON DANE RGNL AP	43.1406, -89.3453	866.142	6.762	79.638	3.582	Go to Set 1353	activate Windows 90

Antecedent Precipitation Analysis:

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2022-05-11	3.131102	4.641732	2.673228	Dry	1	3	3
2022-04-11	1.819291	3.395669	4.401575	Wet	3	2	6
2022-03-12	1.385039	2.306299	1.811024	Normal	2	1	2
Result							Normal Conditions - 11

The results indicate that on the date of the field investigation, **wetland soil moisture** levels should be normal.

Waterways

No waterways were observed in the wetland investigation area.

Wetland

Wetland Overview

Sample Plots	Wetland Type	Wisconsin Wetland Inventory Wetland Type	Surface Water Connections	Wetland Floristic Quality*	Approximate Area Delineated in Investigation Area (Acres)
1, 3, 5 & 7	Sedge Meadow (south portion); Fresh (Wet) Meadow (north portion)	E2Kg, T3K, T3/S3Kg	Dorn Creek	High (Sedge Meadow), Medium (Fresh Wet Meadow)	10

^{*} The wetland floristic quality assessment (high, medium, low) reflects the wetlands within the investigation area. There could be higher quality wetlands adjacent to but outside of the investigation area that were not inspected. Wetland quality is based on Taylor Conservation's best professional judgment. The Wisconsin Department of Natural Resources has authority over wetland and waterway protective areas, per NR 151. Local authorities may enforce wetland structure setbacks as well.

Normal Circumstances	
Present?	Yes
Significant Disturbance?	No
	Yes, for plots 1 & 7 since no hydric soil indicators
Naturally Problematic?	were observed.

The wetland was an open meadow with scattered shrub thickets and trees. The south portion was dominated by sedges and showed higher floristic quality than the north portion.

Surface water was observed in 1 of 4 wetland sample plots (plot 3). Soil saturation within 12 inches of the ground surface was observed in 3 of 4 wetland sample plots (1, 5 & 7). Plot 7 also showed a water table within 12 inches of the surface.

The wetlands' chief water sources are (1) surface runoff from surrounding uplands, which contain large areas of cropland; (2) a drain tile network that drains a low-lying expanse of cropland to the north and empties into the north end of the wetland; and (3) ground water inflow, particularly in the lower-lying south portions of the wetlands.

Wetland Boundary Characteristics

Most parts of the wetland boundary were simply the transition from natural meadow to cropland. A relatively sharp slope break occurred where the meadow gave way to cropland.

Wetland Indicators Overview

Vegetation	
Dominant Sp	ecies:
Herb-layer	Tussock sedge (Carex stricta-Obl), lake sedge (Carex lacustris-
	Obl), cattails (<i>Typha angustifolia</i> -Obl), jewel weed (<i>Impatiens</i>
	capensis-Fac), reed canary grass (Phalaris arundinacea-FacW)
	Pussy willow (Salix discolor-FacW), red osier dogwood
Saplings & Shrubs	(Cornus alba-FacW)
Trees	Cottonwood (Populus deltoides-Fac)
Hydrophytic Indic	eators:
Dominance Test	All Plots showed 100% hydrophytic dominance
Problematic	
Hydrophytic?	None

Hydrology	
Primary Hydrology Indicators	Surface Water-A1 (plot 3), High Water Table-A2 (plot 7), Saturation-A3 (plots 1, 5 & 7)
Secondary Hydrology Indicators	Geomorphic Position-D2 (all plots), FAC-neutral Test-D5 (all plots)
Signatures on Aerial Imagery?	No imagery review for wetlands since they were not cropped.

Soils	
	Redox Dark Surface-F6 (plot 5). Plot 3 possessed
	standing water, so soil was assumed hydric, see
Hydric indicators	notes below.
	Plots 1 & 7. Investigator used professional
Hydric Indicators Missing?	judgment, see notes below.
Surface Horizon Colors &	
Textures	10 YR 2/1, silt loam
Subsoil Horizon Colors &	Investigator did not observe subsoils at the depths
Textures	examined (24 inches).

Wetland Indicators Notes

Two wetland plots (plot 1 & 7) did not show a hydric soil indicator, but professional judgment was used to assume the soils were hydric based on the presence of hydrophytic vegetation and wetland hydrology indicators, and the plots' locations in low landscape positions, following guidance in Chapter 5 of the Regional Supplement to the Corps of Engineers Wetland Delineation Manual.

One wetland sample plot (plot 3) possessed standing water and vegetation dominated by FacW & Obl-rated species, therefore no soil pit was dug and the soil was assumed hydric without direct examination.

Uplands

(Sample Plots 2, 4, 6, 8, 9, 10, 11, 12, 13, 14 & 15)

The uplands (non-wetlands) were composed primarily of crop fields (Figure 2). They also contained small, scattered meadows amid the crop fields.

Most of the uplands occupied high-lying or sloping ground where water would be unlikely to linger for long periods.

However, there was a large (approximately 15 acre) expanse of low-lying cropland that was part of the uplands (Figure 2). See discussion of this area below under "Discussion of Low-lying Field".

Normal Circumstances	
Present?	Not for most of the uplands due to recent tillage.
Significant Disturbance?	Yes, for most of the uplands due to recent tillage.
Naturally Problematic?	Not applicable to uplands.

Vegetation	
Dominant Sp	ecies:
Herb-layer	In non-cropped areas: Alfalfa (Medicago sativaI-FacU), red
	clover (Trifolium pratense-FacU), orchard grass (Dactylis
	glomerata-FacU), dandelion (Taraxacum officinale-FacU)
Saplings & Shrubs	In non-cropped areas: Honeysuckle (Lonicera X bella-FacU)
	In non-cropped areas: Black cherry (Prunus serotina-FacU),
Trees	box elder (Acer negundo-Fac)
Hydrophytic Indic	rators:
Plots Meeting	
Dominance Test?	None
Plots Meeting	
Prevalence Index?	None

Hydrology	
	N
Primary Hydrology Indicators?	None
Secondary	
Hydrology Indicators?	None
Signatures on Aerial Imagery?	Wetland signatures were observed in area of plots 11 & 12. See " <i>Discussion of Low-lying Field</i> " below & Appendixes I & II.

Soils	
	Redox Dark Surface-F6 (plots 11 & 12, see notes
Hydric indicators?	below)
Surface Horizon Colors &	
Textures	10 YR 2/1, 2/2 & 3/2; silt loam
Subsoil Horizon Colors &	
Textures	10 YR 3/3, 3/4; silty clay loam

Upland Notes

All upland sample plots except plots 6 and 9 occupied cropland and only supported a recently planted corn crop. There was little to no natural vegetation present in these plots. Judging from the absence of wetland hydrology and hydric soil indicators (except for plots 11 & 12, which showed hydric indicators), and the well elevated landscape position (except for plots 11 & 12, which occupied a low area), the investigator assumed that the cropland plots would support predominantly non-hydrophytic vegetation in the absence of tillage.

Discussion of Low-lying Field

Analysis of air photos for 5 normal precipitation years showed evidence of wetland hydrology in the low-lying upland crop field surrounding sample plots 11 and 12 (Figure 2; Appendixes I & II). This area showed hydric soil indicators as well.

However, the investigator learned that drain tile was installed in the low-lying field in 2020, after the year of capture of all but one of the aerial images showing wetland signatures. The drain tile installer stated that 4-inch perforated pipes (laterals) were place at a depth of 3 feet, 30-40 feet apart throughout the field (Josh Miller, "Dried Up Drainage", personal communication; also see map, Appendix V).

In emails dated May 8th, 2020, Army Corps (Mr. Kyle Zibung) and Wisconsin Department of Natural Resources (Mr. Allen Ramminger) stated no permits were needed for the installation because it would replace an existing drainage system.

The investigator monitored hydrology in shallow pits (24 inches) at 3 sample plot locations (plots 10, 11 & 12) on 7 dates in spring and summer or 2022: May 11th; May 20th, June 7th, June 17th, June 24th, July 1st, and July 7th. No water, or even excessively

moist soil, was observed in any of the sample plots on any of the dates. Antecedent precipitation was normal for all monitoring dates (Appendix IV).

Based on guidance published by the Minnesota Board of Water & Soils Resources ("Lateral Effect & Drainage Setback"; https://bwsr.state.mn.us/lateral-effect-drainage-setback), the closest permitted setback distance for a drain tile lateral from a wetland in Tripoli silty clay loam soil (a soil series with texture similar to the soil of the drained field – Wacousta silty clay loam) is 50 feet. This suggests a drain's lateral effect may extend as far as 50 feet. Therefore, laterals spaced 30 to 40 feet are likely to thoroughly drain soils in between the laterals.

Hence the investigator assumed that drain tiles installed on the site in 2020 have eliminated wetland hydrology, and that the low-lying field that showed wetland signatures on aerial imagery and hydric soil indicators is no longer a wetland.

Conclusion

One wetland area totaling approximately 10 acres was found on the subject wetland investigation area on May 11th of 2022. The wetland was comprised of both "Fresh (Wet) Meadow" and "Sedge Meadow" wetland community types.

The remainder of the investigation area, comprised predominantly of crop fields, for the most part lacked indicators of wetland hydrology, hydrophytic vegetation and hydric soil and was therefore judged a non-wetland area. The low-lying crop field area that was outside of the delineated wetland still showed hydric soil indicators but lacked wetland hydrology indicators and was therefore judged a non-wetland area.

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 May 11th of 2022. Wetland boundaries can change over time with changes in vegetation, precipitation, or regional hydrology. The wetlands identified for this report may be subject to federal regulation under the jurisdiction of the U.S. Army Corp of Engineers, state regulation under the jurisdiction of Wisconsin Department of Natural Resources, and local jurisdiction under your local county, town, city or village. The U.S. Army Corps of Engineers and/or the Wisconsin DNR 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 (http://dnr.wi.gov/topic/wetlands/assurance.html). 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. & Berkowitz, J.F. 2018. <u>Field Indicators of Hydric Soils in the United States: A Guide for Identifying and Delineating Hydric Soils, Version 8.2</u>. Natural Resource Conservation Service, United States Department of Agriculture.

US Army Corps of Engineers 2020. National Wetland Plant List, version 3.5. http://wetland-plants.usace.army.mil/

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

US Army Corps of Engineers & Minnesota Board of Water & Soil Resources 2016. "Guidance for Offsite Hydrology/Wetland Determinations.".

US Army Corps of Engineers & Wisconsin Department of Natural Resources 2015. "Guidance for Submittal of Delineation Reports to the St. Paul District Army Corps of Engineers & the Wisconsin DNR."

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

Figures

Figure 1: Landscape Overview.

Source: Imagery - National Agricultural Imagery Program, 2015; Roads & Waters - Wisconsin Department of Natural Resources.

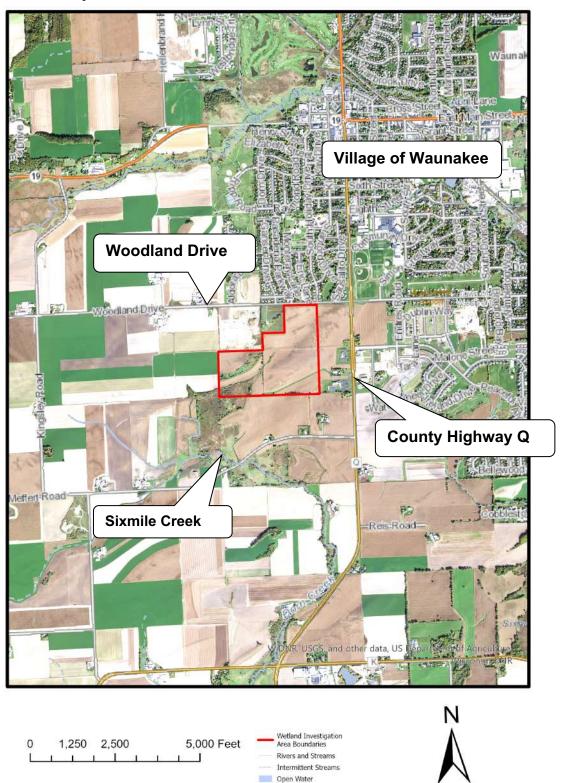


Figure 2: Investigation Area, Wetlands & Sample Plots.

Imagery Source: National Agricultural Imagery Program, 2015.

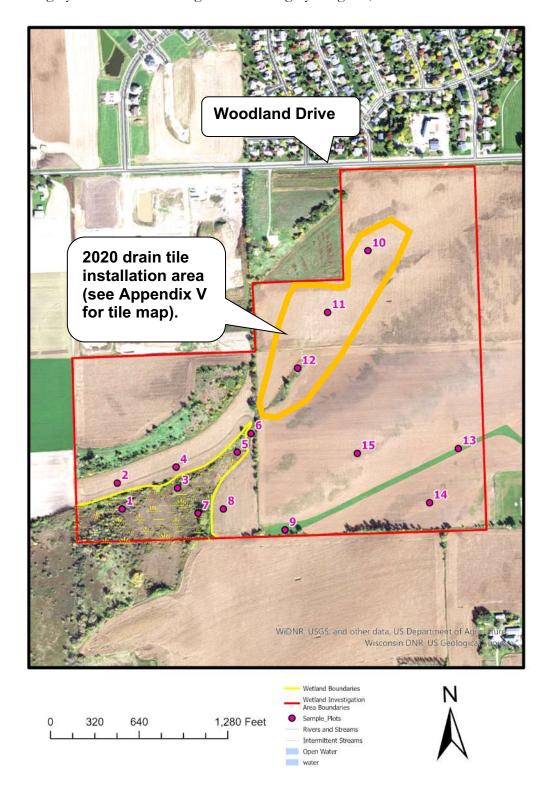
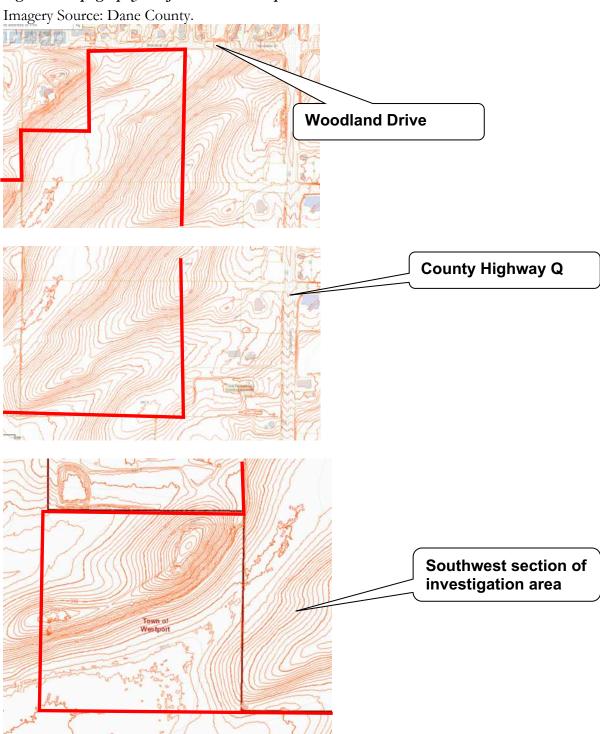


Figure 3: Topography – 2-foot Contour Map.



*Figure 4: Topography – United States Geological Survey Map.*Source: U.S. Geological Survey 7.5-Minute Quadrangle Map.

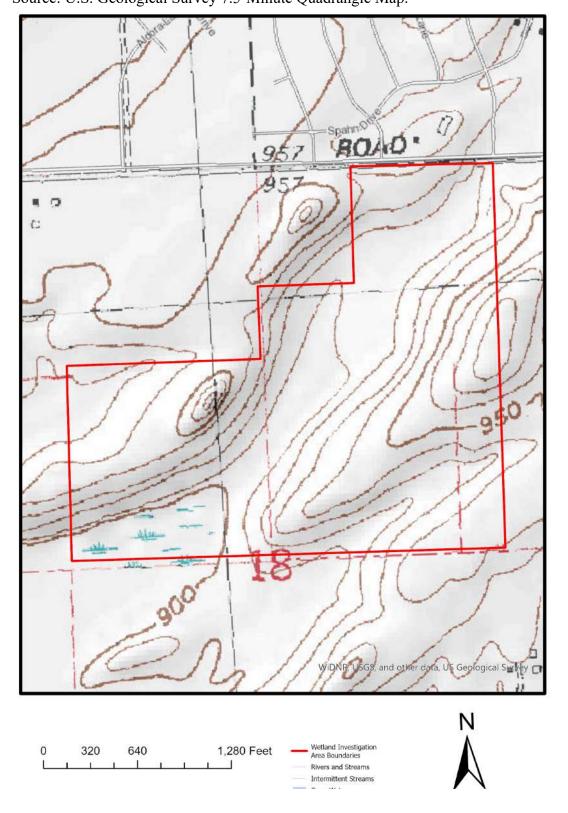


Figure 5: Soils.

Source: Natural Resource Conservation Service.

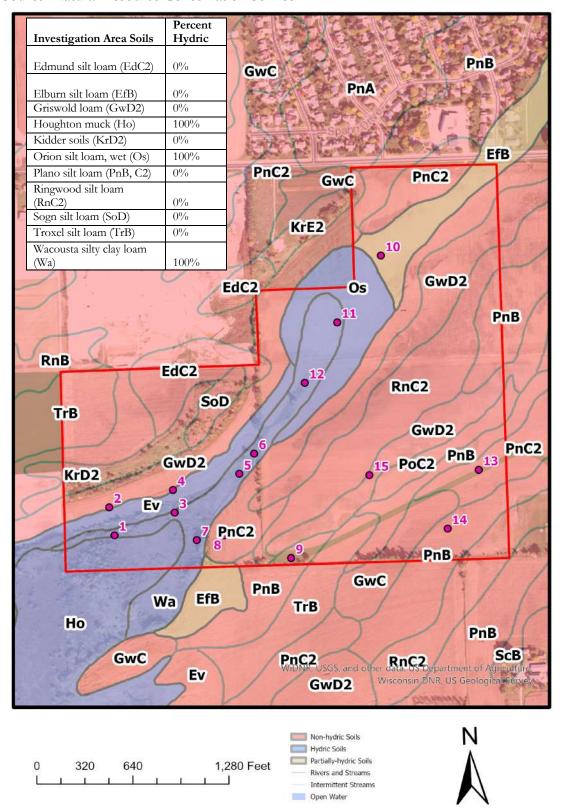
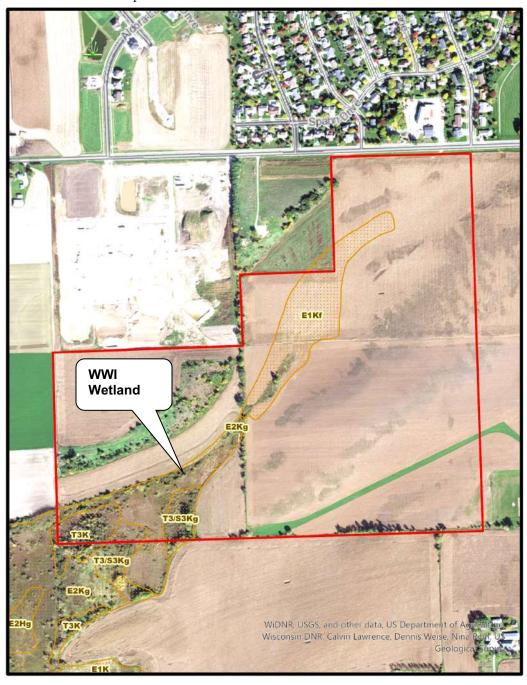


Figure 6: Wisconsin Wetland Inventory Map.

Source: Wisconsin Department of Natural Resources.







Appendix I: Aerial Image Analysis

Hydrology Assessment with Aerial Imagery - Recording Form

Project Name: Woodland Dr West

Date: 5/10/22 Legal Description: Sec. 18, T8N, R9E
Investigator: Scott Taylor

County: Dane
Normal Years: 5 # Dry Years: 2

# Normal Years: 5			-	# Wet Years: 6 # Dry Years: 2							
er ar			Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, standing water, et								
*			Area 1								
		WWI Wetland Type (if applicable):									
	Climate Condition (Wet, Dry, Normal)*	Soil Series (% Hydric):									
2021	Dry		NSS	NSS							
2020	Normal		SS	SS				W 5	- AV		
	Normal		NSS	SS							
2017			SS	SS				7			
2015	Normal		NSS	WS							
2014	Wet		NSS	ws							A
2013			NV	SS							
2012			NSS	NSS							
2010			NV	WS							
2008			SS	WS							
	Normal		NV	CS							
	Normal		NV	WS							
Normal Years:			5	5				-1			
Normal Year. with Netness Signatures:			1	5		Notes:			1		
% Normal Years with Wetness Signatures:			20%	100%							

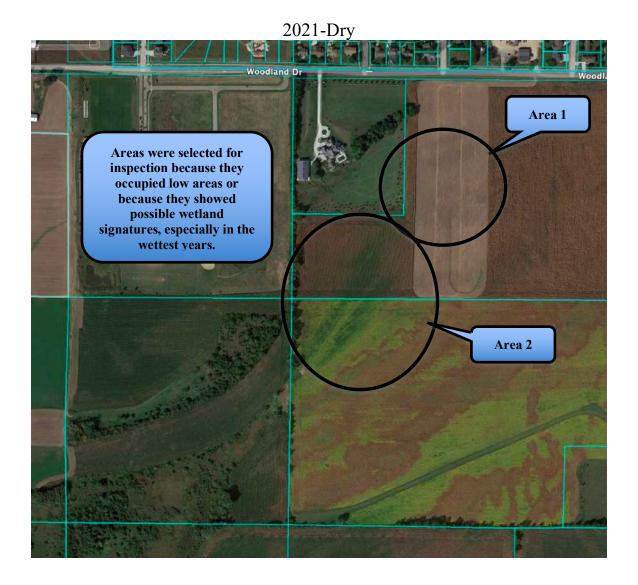
^{*}Taken from NRCS WETS Table for Dane County Regional Airport climate station.

- CS Crop Stress
- DO Drowned Out
- NC Not Cropped
- SW Standing Water SS – Soil Wetness Signature
- WS Wetland Signature (i.e. actual wetland vegetation apparent)
- AP Altered Pattern (e.g. delayed planting in a low, wet area)
- NO Wetness Signatures:
- NV Normal Vegetative Cover (for when crop present) o
- NSS No Soil Wetness (for bare soil)

^{**}Use key below to label photo interpretations.

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Appendix II: Aerial Images

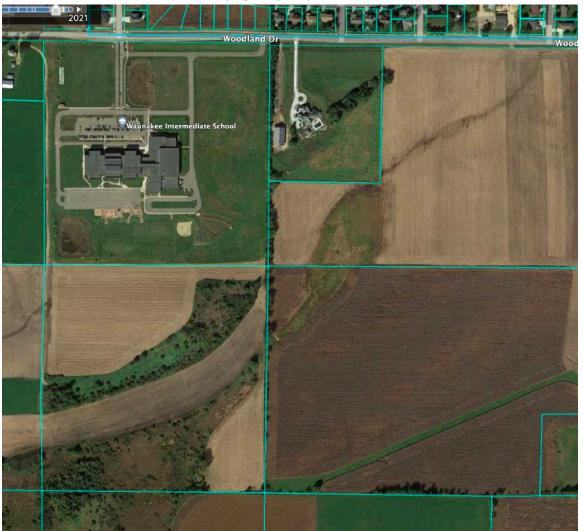


2020 - Normal

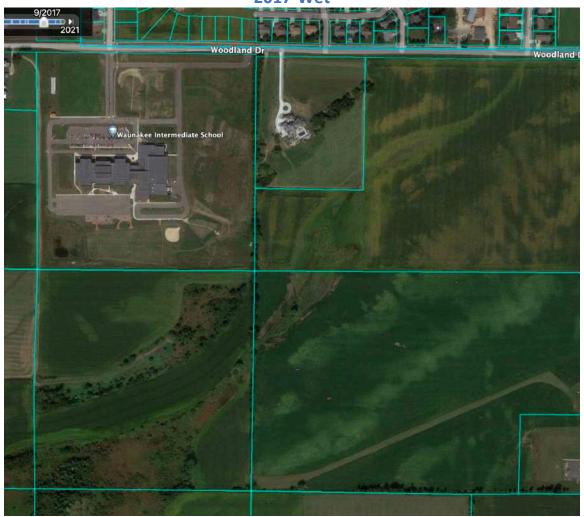
Woodland Dr

Waunakee Intermediate School

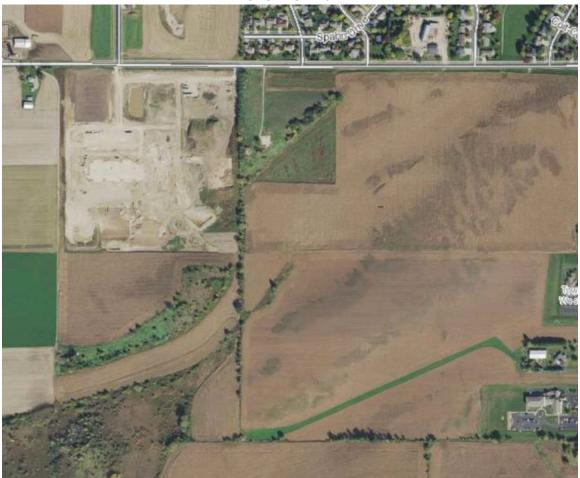
2018 - Normal



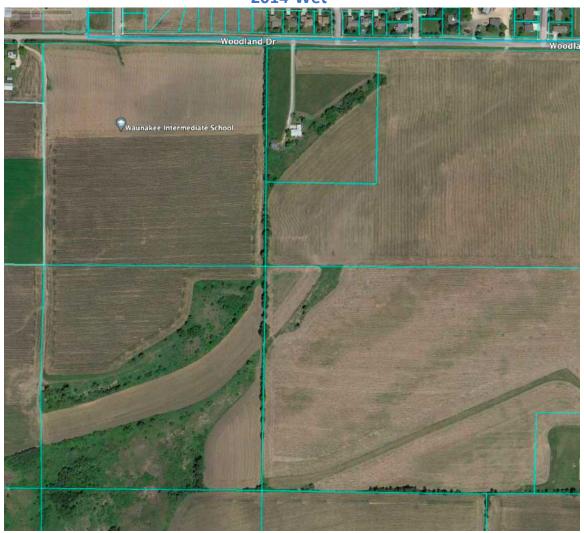
2017-Wet



2015-Normal



2014-Wet



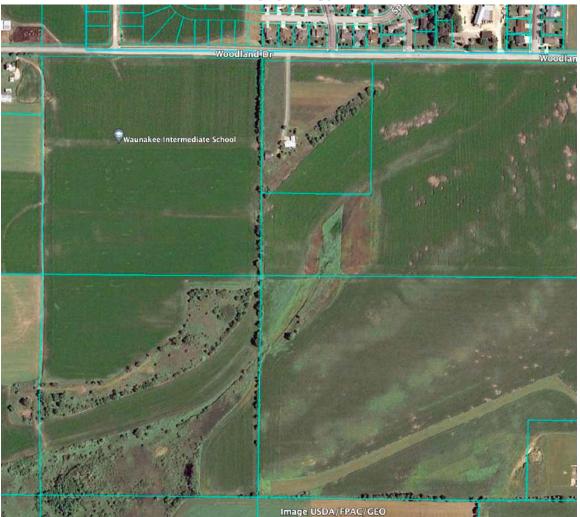
2013-Wet



2012-Dry



2010 - Wet



2008-Wet



2006-Normal

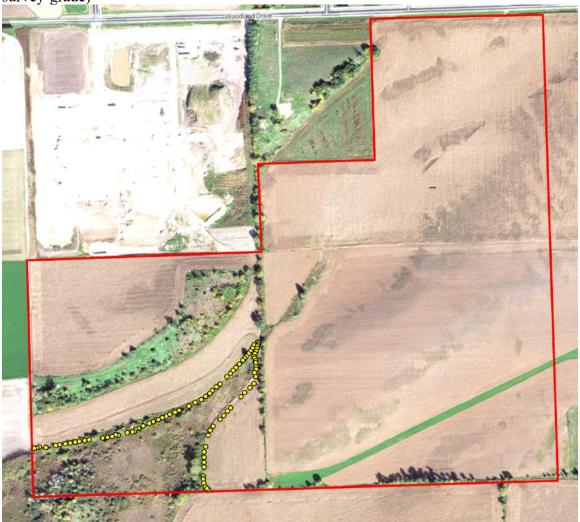


2005-Normal

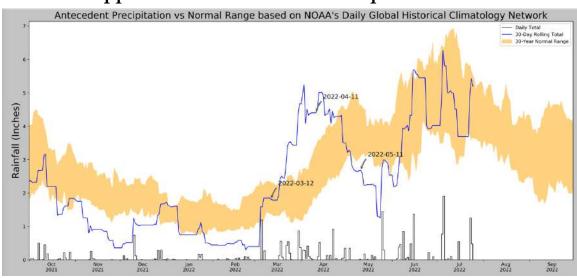


Appendix III: Survey Map of Wetland Boundary.

(The wetland boundary flags were located with a hand-held GPS unit. The unit was not survey-grade)



Appendix IV: Antecedent Precipitation Data



May 20, 2022:

Product	Month Weight	Condition Value	Wetness Condition	Observed (in)	70 th %ile (in)	30th %ile (in)	30 Days Ending
3	3	1	Dry	2.220473	3.988583	2.832284	2022-05-20
6	2	3	Wet	4.515748	4.06063	2.465748	2022-04-20
3	1	3	Wet	2.448819	2.280315	1.53937	2022-03-21
Normal Conditions - 12							Result

June 7th, 2022:

Product	Month Weight	Condition Value	Wetness Condition	Observed (in)	70th %ile (in)	30 th %ile (in)	30 Days Ending	43.17629, -89.470233	Coordinates
6	3	2	Normal	3.090551	5.604725	2.893701	2022-06-07	2022-06-07	Observation Date
2	2	1	Dry	2.653543	4.96378	2.950394	2022-05-08	945.78	Elevation (ft)
3	1	3	Wet	4.401575	3.058268	1.544882	2022-04-08	Moderate drought	Drought Index (PDSI)
Normal Conditions - 11	-						Result	Dry Season	WebWIMP H ₂ O Balance

June 17th, 2022:

Product	Month Weight	Condition Value	Wetness Condition	Observed (in)	70th %ile (in)	30 th %ile (in)	30 Days Ending	43.1762989.470233	Coordinates
9	3	3	Wet	5.562992	5.352756	2.660236	2022-06-17	2022-06-17	Observation Date
2	2	1	Dry	2.251969	4.090945	3.185827	2022-05-18	945.78	Elevation (ft)
3	1	3	Wet	4.374016	3.956693	2.25	2022-04-18	Moderate drought	Drought Index (PDSI)
Normal Conditions - 14							Result	Dry Season	NebWiMP H ₂ O Balance

June 24th, 2022:

Product	Month Weight	Condition Value	Wetness Condition	Observed (in)	70 th %ile (in)	30 th 16ile (in)	30 Days Ending	43.17629, -89.470233	Coordinates
a Ministración 6	. Azei 3.	2	Normal	4.023622	5.782284	3.866142	2022-07-01	2022-07-01	Observation Date
2	2	1	Dry	2.53937	4.248819	2.823622	2022-06-01	945.78	Elevation (ft)
2	1	2	Normal	3.212599	4.516142	3.119291	2022-05-02	Moderate drought (2022-06)	Drought Index (PDSI)
Normal Conditions - 10					The state of the s		Result	Dry Season	VebWIMP H ₂ O Balance

July 1st, 2022:

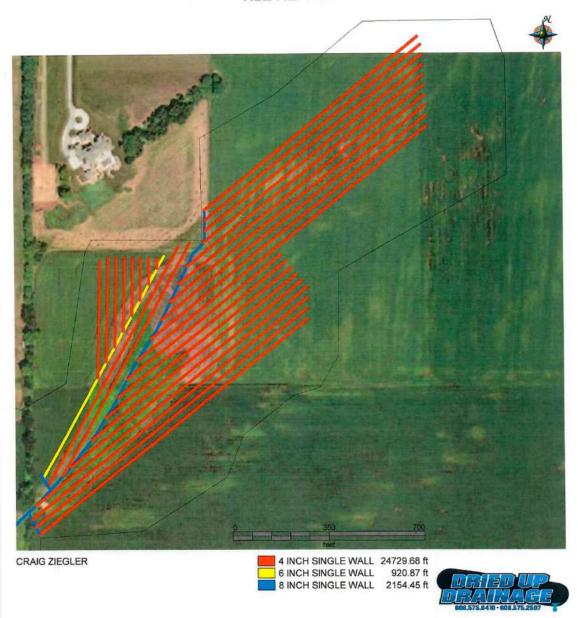
Coordinates	43.17629, -89.470233	30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
Observation Date	2022-06-24	2022-06-24	3.897638	5.841339	4.003937	Normal	2	Serial de	Windows 6
Elevation (ft)	945.78	2022-05-25	2.881102	4.231102	2.69685	Dry	1	2	2
Drought Index (PDSI)	Moderate drought	2022-04-25	2.575984	4.206693	4.295276	Wet	3	1	3
WebWiMP H ₂ O Balance	Dry Season	Result							Normal Conditions - 11

July 7th, 2022:

5		- 112	2.			96		SX	
Coordinates	43.17629, -89.470233	30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
Observation Date	2022-07-07	2022-07-07	3.828347	6.777953	5.814961	Normal	2	A-1103+	Attractment 6
Elevation (ft)	945.78	2022-06-07	2.893701	5.604725	3.090551	Normal	2	2	4
Drought Index (PDSI)	Moderate drought (2022-06)	2022-05-08	2.950394	4.96378	2.653543	Dry	1	1	1
WebWIMP H ₂ O Balance	Dry Season	Result					ē.	8 8	Normal Conditions - 11

Appendix V: Map of 2020 Drain Tile Installation

TILE REPAIR



Appendix VI: Investigation Area Photos

Wetland - Plot 1



Upland - Plot 2



Wetland - Plot 3



Upland - Plot 4



Wetland - Plot 5





Wetland - Plot 7



Upland - Plot 8



Upland - Plot 9



Upland - Plot 10



Upland - Plot 11



Upland - Plot 12



Appendix VII: Data Forms

Project/Site: Woodland Drive West		City/County:	Waunakee, Dane Co.	Sampling	Date: 11-May-22
Applicant/Owner: Lone Silo North Addition	n, LLC		State: Wiscon	nsin Sampling Point:	01
Investigator(s): Scott Taylor		Section, To	wnship, Range: S.	18 T. 8N	R. 9E
Landform (hillslope, terrace, etc.): To	peslope	Local relief (co	ncave, convex, non	e): concave	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.:	43.17629	Long.:	-89.470233	Datum: NAD83
Soil Map Unit Name: Wacousta silly cla	ay loam (Wa)			NWI classification: T3	
Are climatic/hydrologic conditions on t	the site typical for this time of y	ear? Yes	No O (II	no, explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology 🔲 significant	tly disturbed?	Are "Normal Cir	cumstances" present?	Yes No
Are Vegetation , Soil ,	or Hydrology	oroblematic?		lain any answers in Rema	rks.)
Summary of Findings - Atta	, , ,			-	-
Hydrophytic Vegetation Present?	Yes No		<u> </u>	· · ·	
Hydric Soil Present?	Yes No		Sampled Area a Wetland?	Yes ● No ○	
Wetland Hydrology Present?	Yes No	Within	a Wedanu:		
Remarks: (Explain alternative proceed	lures here or in a separate repo	ort.)			
Hydrology					
Wetland Hydrology Indicators:			Se	econdary Indicators (minimum	n of 2 required)
Primary Indicators (minimum of one	required; check all that apply)			Surface Soil Cracks (B6)	
Surface Water (A1)	Water-Stained Lea	` ,		Drainage Patterns (B10)	
High Water Table (A2)	Aquatic Fauna (B1	-	L	☐ Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B1	,	L	Dry Season Water Table (C	2)
Water Marks (B1) Sediment Deposits (B2)	☐ Hydrogen Sulfide	• •	Dt- (C2)	Crayfish Burrows (C8)	Imagany (CO)
Drift deposits (B3)	Oxidized Rhizosph		Roots (C3)	Saturation Visible on Aerial Stunted or Stressed Plants	
Algal Mat or Crust (B4)	Presence of Reduce Recent Iron Reduce	• •	: (C6)	=	(D1)
☐ Iron Deposits (B5)	☐ Thin Muck Surface		(co) <u>c</u>	Shallow Aquitard (D3)	
☐ Inundation Visible on Aerial Imagery (I				☐ Microtopographic Relief (D4	4)
Sparsely Vegetated Concave Surface ((Cindino)	V	FAC-neutral Test (D5)	
Field Observations:					
Surface Water Present? Yes	No • Depth (inches):	0			
Water Table Present? Yes •	No O Depth (inches):	20			
Saturation Present? (includes capillary fringe) Yes	No O Depth (inches):	0	Wetland Hydrolo	gy Present? Yes 💿	No \cup
Describe Recorded Data (stream gaug	e, monitoring well, aerial photo	os, previous insi	pections), if availabl	e:	
]	3 - 7 - 7	,	,,		
Remarks:					
The plot occupied the bottom of a dep	pression. The soil was saturated	d to the surface	2		
The plot occupied the bottom of a dep	ACCOMOTIVE SOIL WAS SALUTALED	a to the surface			

VEGETATION - OSE SCIENTIFIC Harries of plai	iits.			Sampling Point: 01
(2)	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 2,826 sf)	% Cover	Species?	Status	Number of Dominant Species
1				That are OBL, FACW, or FAC:4 (A)
2				Total Number of Dominant
3	0			Species Across All Strata:4 (B)
4	0			
5	0			Percent of dominant Species That Are OBL FACW or FAC: 100.0% (A/B)
6	0			That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 2,826 sf)	0	= Total Cover		Total % Cover of: Multiply by: OBL species 90 x 1 = 90
1 _. Salix discolor	50	✓	FACW	
2. Cornus alba	20	<u></u>	FACW	
3	0			FAC species $0 \times 3 = 0$
4				FACU species $0 \times 4 = 0$
5				UPL species $0 \times 5 = 0$
6				Column Totals: <u>205</u> (A) <u>320</u> (B)
7				Prevalence Index = B/A =1.561
Herb Stratum (Plot size: 78.5 sf)	70	= Total Cover		Hydrophytic Vegetation Indicators:
A Common abulata	70		ODI	✓ Rapid Test for Hydrophytic Vegetation
1. Carex stricta		~	OBL	✓ Dominance Test is > 50%
2. Impatiens capensis	30	~	FACW	✓ Prevalence Index is ≤3.0 ¹
3. Symphyotrichum puniceum var. puniceum			OBL	Morphological Adaptations ¹ (Provide supporting
4. Solidago gigantea			FACW	data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				
7	0			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8	0			
9	0			Definitions of Vegetation Strata:
10	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11	0			at breast height (DBH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 2,826 sf)		= Total Cover		greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0_			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0	= Total Cover		
				Hydrophytic Vegetation Present? Yes No
Remarks: (Include photo numbers here or on a separate she	nat \			
The plot occupied a sedge meadow with scattered shrub thi	-			
The plot occupied a sedge meadow with scattered shrub thi	ickets.			

 $[*] Indicator \ suffix = \ National \ status \ or \ professional \ decision \ assigned \ because \ Regional \ status \ not \ defined \ by \ FWS.$

Profile Descri	iption: (Des	scribe to t	he depth	needed to document t	he indicator or co	nfirm the a	bsence of indicators.)	
Depth (inches)		Matrix			ox Features			
(inches)	Color (<u>%</u>	Color (moist)		Loc2	Texture	Remarks
0-15	10YR	2/1	100				Silt Loam	
15-24	10YR	2/1	100				Silty Clay Loam	
							P	
							R-	
1Type: C=Cond	entration D	=Depletion	. RM=Red	uced Matrix. CS=Covered	or Coated Sand Gra	ins 21 oca	tion: PL=Pore Lining. M=M	latrix
Hydric Soil I		2 opicuoi	ncu		Journa Julia Gre	2000		
Histosol (A				Polyvalue Below	Surface (S8) (LRR R			ematic Hydric Soils: 3
`	pedon (A2)			MLRA 149B)	(OO) (ENVI)	,		(LRR K, L, MLRA 149B)
Black Histi				Thin Dark Surface	e (S9) (LRR R, MLR	A 149B)		ox (A16) (LRR K, L, R)
	Sulfide (A4)			Loamy Mucky M	neral (F1) LRR K, L)			or Peat (S3) (LRR K, L, R)
	Layers (A5)			Loamy Gleyed M	atrix (F2)		☐ Dark Surface (S7)	
	Below Dark S	Surface (A1	1)	Depleted Matrix	(F3)		_ `	Surface (S8) (LRR K, L)
	k Surface (A1		,	Redox Dark Surf	ace (F6)		☐ Thin Dark Surface	. , . , ,
_	ck Mineral (S			Depleted Dark S	urface (F7)			Masses (F12) (LRR K, L, R)
	yed Matrix (S			Redox Depression	ns (F8)			nin Soils (F19) (MLRA 149B)
Sandy Red		- ',						5) (MLRA 144A, 145, 149B)
	Natrix (S6)						Red Parent Materi	` '
	ace (S7) (LRF	R R, MLRA	149B)				✓ Very Shallow Dark✓ Other (Explain in lange)	
								Remarks)
			and weda	nd hydrology must be pr	esent, uniess disturb	ea or proble	emauc.	
Restrictive La	ayer (if obs	erved):						
Type:							Hydric Soil Present?	Yes No
Depth (inch	nes):						Tryunc Son Fresent:	165 © 110 ©
Remarks:								
								Iscape position, and the
vegetation an Manual.	d hydrolog	y indicato	rs, follow	ing guidance in Chapt	er 5 of the Regior	nal Suppler	nent to the Corps of En	gineers Wetland Delineation
Manual.								
1								
1								
İ								

Project/Site: Woodland Drive West	City/County: Waunakee, D	ane Co. Sampling	Date: 11-May-22
Applicant/Owner: Lone Silo North Addition, LLC	State:	Wisconsin Sampling Point:	02
Investigator(s): Scott Taylor	Section, Township, Ran	ge: S. 18 T. 8N	R. 9E
Landform (hillslope, terrace, etc.): Backslope	Local relief (concave, conve	ex, none): convex	Slope: 3.0 % / 1.7°
	_		Datum: NAD83
	43.17629	-89.470233	
Soil Map Unit Name: Griswold loam (GwD2)		NWI classification: N	one
Are climatic/hydrologic conditions on the site typical for this time	of year? Yes No	(If no, explain in Remarks.)	
Are Vegetation $oldsymbol{arVert}$, Soil $\ \square$, or Hydrology $\ \square$ signific	antly disturbed? Are "Nor	mal Circumstances" present?	Yes O No •
Are Vegetation 🔲 , Soil 🗌 , or Hydrology 🔲 natural	lly problematic? (If need	ed, explain any answers in Rema	rks.)
Summary of Findings - Attach site map showin	g sampling point locat	ions, transects, import	ant features, etc.
Hydrophytic Vegetation Present? Yes ○ No ●			
Hydric Soil Present? Yes ○ No •	Is the Sampled Are within a Wetland?	a Yes ○ No •	
Wetland Hydrology Present? Yes ○ No •			
Remarks: (Explain alternative procedures here or in a separate n	eport.)		
Hydrology			
Wetland Hydrology Indicators:		Secondary Indicators (minimun	n of 2 required)
Primary Indicators (minimum of one required; check all that app		Surface Soil Cracks (B6)	
☐ Surface Water (A1) ☐ Water-Stained ☐ High Water Table (A2) ☐ Aquatic Fauna	` '	☐ Drainage Patterns (B10) ☐ Moss Trim Lines (B16)	
Saturation (A3) Marl Deposits	•	Dry Season Water Table (ול־
Water Marks (B1) Hydrogen Sulf	•	Crayfish Burrows (C8)	52)
	spheres along Living Roots (C3)	Saturation Visible on Aeria	I Imagery (C9)
	educed Iron (C4)	Stunted or Stressed Plants	• , , ,
	eduction in Tilled Soils (C6)	Geomorphic Position (D2)	
☐ Iron Deposits (B5) ☐ Thin Muck Sur	* *	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain	in Remarks)	Microtopographic Relief (D	4)
Sparsely Vegetated Concave Surface (B8)		FAC-neutral Test (D5)	
Field Observations:			
Surface Water Present? Yes O No O Depth (inche	s):0		
Water Table Present? Yes O No Depth (inche	es):0		(
Saturation Present? (includes capillary fringe) Yes No Depth (inche		Hydrology Present? Yes \cup	No ⊙
Describe Recorded Data (stream gauge, monitoring well, aerial pl Air photos for 5 years between 2005 and 2021 with normal rainfa	notos, previous inspections), if a		
Remarks:			
No hydrology indicators. The plot occupied a well elevated area.			

(p) 2.026 -f	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: 2,826 sf)	% Cover	Species?	Status	Number of Dominant Species
1				That are OBL, FACW, or FAC:0(A)
2	0			Total Number of Dominant
3	0			Species Across All Strata:0(B)
4	0			
5	0			Percent of dominant Species That Are OBL FACW or FAC: 0.0% (A/B)
6	0			That Are OBL, FACW, or FAC: 0.0% (A/B)
7	0			Prevalence Index worksheet:
(District 2 936 of	0 =	Total Cove		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 2,826 sf)				OBL species 0 x 1 = 0
1				FACW species $0 \times 2 = 0$
2				FAC species 0 x 3 = 0
3	0			FACU species $0 \times 4 = 0$
4	0			l '
5	0			l ·
6	0			Column Totals: 0 (A) 0 (B)
7	0			Prevalence Index = B/A =
(Dist. 2 70 F of	0 =	Total Cove	•	Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 78.5 sf)				Rapid Test for Hydrophytic Vegetation
1	0			Dominance Test is > 50%
2	0			
3				Prevalence Index is ≤3.0 ¹
4				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				Troblematic Tryatophytic regention (Explain)
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
10				
11				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
				at broadt Holght (BBH), regardleds of Holght.
12		 = Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 2,826 sf)		- Total Covel		greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2.	0			size, and woody plants less than 3.28 ft tall.
3	0			Manda di Cilina Alla con ada cilina a supertan them 2,00 ft in
Λ.	0			Woody vine - All woody vines greater than 3.28 ft in height.
4.	0 =	= Total Cove		
		- Total Cove		
				Hydrophytic
				Vegetation V O N O
				Present? Yes O NO O
Remarks: (Include photo numbers here or on a separate she	et.)			
The plot occupied a crop field that was just tilled and did no				
hydrology and hydric soil indicators, and the well elevated la		sition, this s	ite would p	probably support predominantly non-hydrophytic
vegetation under normal circumstances, i.e., in the absence	or unage.			

Sampling Point: 02

 $[*] Indicator \ suffix = \ National \ status \ or \ professional \ decision \ assigned \ because \ Regional \ status \ not \ defined \ by \ FWS.$

(inches) 0-15	Matrix		Redox Features	_
0-15	Color (moist)	%	Color (moist) % Type 1 Loc2	Texture Remarks
	10YR 2/1	100		Silt Loam
15-24	10YR 3/3	100		Silty Clay Loam
		tion. RM=Redu	ced Matrix, CS=Covered or Coated Sand Grains ² Loca	
Hydric Soil 1				Indicators for Problematic Hydric Soils : 3
Histosol (•		☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	pedon (A2)		☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
Black Hist	n Sulfide (A4)		Loamy Mucky Mineral (F1) LRR K, L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	Layers (A5)		Loamy Gleyed Matrix (F2)	Dark Surface (S7) (LRR K, L, M)
	Below Dark Surface	(A11)	Depleted Matrix (F3)	Polyvalue Below Surface (S8) (LRR K, L)
	rk Surface (A12)	(/11)	Redox Dark Surface (F6)	Thin Dark Surface (S9) (LRR K, L)
	uck Mineral (S1)		Depleted Dark Surface (F7)	☐ Iron-Manganese Masses (F12) (LRR K, L, R)
	eyed Matrix (S4)		Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Re				✓ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)✓ Red Parent Material (F21)
	Matrix (S6)			Very Shallow Dark Surface (TF12)
Dark Surf	face (S7) (LRR R, MLI	RA 149B)		Other (Explain in Remarks)
³ Indicators o	f hydronhytic vegeta	tion and wetlar	nd hydrology must be present, unless disturbed or proble	
			a nyarology mast be present, amess distarbed or proble	
	ayer (if observed)	i		
Type:	shoo).			Hydric Soil Present? Yes ○ No ●
Donath (in a	nes):			,
Depth (inc				
Remarks:				
Remarks:				

Project/Site: Woodland Drive West	City/County	y: Waunakee, Dane Co.	Sampling	Date: 11-May-22
Applicant/Owner: Lone Silo North Addition, LLC		State: Wisconsin	Sampling Point:	03
Investigator(s): Scott Taylor	Section	, Township, Range: S. 18	т. 8N	r. 9E
Landform (hillslope, terrace, etc.): Toeslope	Local relief	(concave, convex, none):	concave	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.: 43.17629	Long.: -89	9 470233	Datum: NAD83
Soil Map Unit Name: Wacousta silly clay loam			NWI classification:	
Are climatic/hydrologic conditions on the site	typical for this time of year?	Yes • No O (If no	, explain in Remarks.)
Are Vegetation , Soil , or Hydr	<i>"</i>	•	•	Yes No
Are Vegetation, Soil, or Hydr			•	l \
Summary of Findings - Attach sit	· · · · · · · · · · · · · · · · · · ·	(=: ::====, =:	any answers in Remansects, import	-
Hydrophytic Vegetation Present? Yes Yes) No O			
Hydric Soil Present? Yes Yes		the Sampled Area thin a Wetland? Yes	● No ○	
Wetland Hydrology Present?	No O	tnin a wetianur	O 110 C	
Remarks: (Explain alternative procedures he				
weather station within two weeks prior to the 0.02 inch.	ie date of fieldwork was 0.0 filch. To	oldi precipitation recorded	within a days phon to	the date of Heidwork was
Hydrology				
Wetland Hydrology Indicators:		Secon	dary Indicators (minimu	m of 2 required)
Primary Indicators (minimum of one require	d; check all that apply)		urface Soil Cracks (B6)	
✓ Surface Water (A1)	Water-Stained Leaves (B9)		rainage Patterns (B10)	
High Water Table (A2)	Aquatic Fauna (B13)		loss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)		ry Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		rayfish Burrows (C8)	(00)
Sediment Deposits (B2) Drift deposits (B3)	Oxidized Rhizospheres along Liv		aturation Visible on Aeric	• , , ,
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)		tunted or Stressed Plant	` '
Iron Deposits (B5)	Recent Iron Reduction in Tilled S		ieomorphic Position (D2) hallow Aquitard (D3)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Thin Muck Surface (C7)	=	nallow Aquitard (D3) licrotopographic Relief (I	24)
Sparsely Vegetated Concave Surface (B8)	U Other (Explain in Remarks)	_	AC-neutral Test (D5)) 1)
Field Observations:				
Surface Water Present? Yes • No				
Water Table Present? Yes No	Depth (inches):0		- Y (A	
Saturation Present? (includes capillary fringe) Yes No	Depth (inches):0	Wetland Hydrology	Present? Yes •	No O
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous	inspections), if available:		
Remarks: The plot occupied the bottom of a depression	n with standing water.			

Tree Stratum (Plot size: 2,826 sf)	Absolute	Dominant Species?	Indicator Status	Dominance Test worksheet:
	% Cover		Status	Number of Dominant Species
1,				That are OBL, FACW, or FAC:3(A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
6	0			That are obt, Facw, or Fac.
7	0			Prevalence Index worksheet:
C II (CI I C	0 :	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 2,826 sf				OBL species <u>120</u> x 1 = <u>120</u>
1 Salix discolor		✓	FACW	FACW species 30 x 2 = 60
2	0			FAC species $0 \times 3 = 0$
3	0			
4	0			· ·
5	0			ore species x s =
6				Column Totals: <u>150</u> (A) <u>180</u> (B)
7				Prevalence Index = B/A =1.200_
		= Total Cover		·
Herb Stratum (Plot size: 78.5 sf)				Hydrophytic Vegetation Indicators:
1 . Typha angustifolia	80	✓	OBL	▼ Rapid Test for Hydrophytic Vegetation
2 Carex stricta	- 20	<u></u>	OBL	✓ Dominance Test is > 50%
3. Carex lacustris	- 40	$\overline{\Box}$	OBL	V Prevalence Index is ≤3.0 ¹
4. T	- 15	Ī	FACW	Morphological Adaptations ¹ (Provide supporting
4. Impatiens capensis 5		Ī	171011	data in Remarks or on a separate sheet)
		Ī		☐ Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				Definitions of Vegetation Strata.
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11	0			at breast height (DBH), regardless of height.
12	0			Sapling/shrub - Woody plants less than 3 in. DBH and
(DL) 1 2 036 -f	135	= Total Cover		greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 2,826 sf)				
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 :	= Total Cover		
				Hydrophytic
				Vegetation Yes • No •
				Present: 135 - 115 -
Remarks: (Include photo numbers here or on a separate sl	heet.)			
The plot occupied a wet meadow with scattered willow sh	rubs.			

Sampling Point: 03

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Depth <u>Matrix</u>	Redox Features	_
(inches) Color (moist) %		Texture Remarks
		_
ne: C-Concentration D-Depletion PM-	Reduced Matrix, CS=Covered or Coated Sand Grains ² Loc	ration: DI –Pore Lining M–Matrix
dric Soil Indicators:	coulded Flacin, co-covered of coulded surfix drains	
i	Debugglus Delay Confere (CO) (LDD D	Indicators for Problematic Hydric Soils : 3
Histosol (A1)	Polyvalue Below Surface (S8) (LRR R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)	☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
Black Histic (A3)		5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) LRR K, L)	Dark Surface (S7) (LRR K, L, M)
Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Polyvalue Below Surface (S8) (LRR K, L)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	☐ Thin Dark Surface (S9) (LRR K, L)
Thick Dark Surface (A12)	Redox Dark Surface (F6)	
Sandy Muck Mineral (S1)	Depleted Dark Surface (F7)	☐ Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Redox (S5)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
_		Red Parent Material (F21)
Stripped Matrix (S6)		Very Shallow Dark Surface (TF12)
Dark Surface (S7) (LRR R, MLRA 149B)		✓ Other (Explain in Remarks)
indicators of hydrophytic vegetation and w	retland hydrology must be present, unless disturbed or prob	lematic.
strictive Layer (if observed):		
Type:		
Depth (inches):		Hydric Soil Present? Yes No
		1
emarks:		
	s assumed hydric since standing water was present	and all of the dominant plants were FacW and/or Obl-
ed.		

Project/Site: Woodland Drive West		City/County:	Waunakee, Dane (Co.	Sampling Date: 11-May-22	
Applicant/Owner: Lone Silo North Addition, LLC	;		State: Wis	sconsin Sampling	Point: 04	
Investigator(s): Scott Taylor		Section, To	wnship, Range:	 s . 18 т. :	8N R. 9E	
Landform (hillslope, terrace, etc.): Backslo	ne		oncave, convex, n	one): convex	Slope: 3.0 % /	/ 17°
	<u>. </u>				Datum: NAD8	
		43.17629	Long	-89.470233		
Soil Map Unit Name: Griswold loam (GwD2))			NWI classif	ication: None	
Are climatic/hydrologic conditions on the sit	e typical for this time of y	ear? Ye	s • No O	(If no, explain in	•	
Are Vegetation $lacksquare$, Soil $lacksquare$, or Hyd	drology 🗌 significant	tly disturbed?	Are "Normal	Circumstances" ¡	$_{ m oresent?}$ Yes \bigcirc No $ullet$)
Are Vegetation $\ \square$, Soil $\ \square$, or Hyd	drology 🗌 naturally p	problematic?	(If needed, e	explain any answ	ers in Remarks.)	
Summary of Findings - Attach s	ite map showing s	sampling p	oint location	s, transects	, important features,	etc.
Hydrophytic Vegetation Present? Yes						
Hydric Soil Present? Yes	○ No •		Sampled Area a Wetland?	Yes O No 🖲)	
Wetland Hydrology Present? Yes	○ No •					
Remarks: (Explain alternative procedures	here or in a separate repo	ort.)				
Hydrology						
Wetland Hydrology Indicators:					ors (minimum of 2 required)	
Primary Indicators (minimum of one requir				Surface Soil C	` '	
☐ Surface Water (A1) ☐ High Water Table (A2)	Water-Stained Lea ☐ Aquatic Fauna (B1	. ,		☐ Drainage Patt ☐ Moss Trim Lin	• •	
Saturation (A3)	Marl Deposits (B1	•			/ater Table (C2)	
Water Marks (B1)	Hydrogen Sulfide	•		Crayfish Burro	• •	
Sediment Deposits (B2)	Oxidized Rhizosph	, ,	Roots (C3)	_ ′	ible on Aerial Imagery (C9)	
Drift deposits (B3)	Presence of Reduc		10000 (00)		ressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduc	` '	s (C6)	Geomorphic F	` '	
☐ Iron Deposits (B5)	Thin Muck Surface			Shallow Aquit	ard (D3)	
☐ Inundation Visible on Aerial Imagery (B7)	Other (Explain in F	` '		Microtopograp	ohic Relief (D4)	
Sparsely Vegetated Concave Surface (B8)				FAC-neutral T	est (D5)	
Field Observations:						
Surface Water Present? Yes O No	Depth (inches):	0				
Water Table Present? Yes O No	Depth (inches):	0				
Saturation Present? (includes capillary fringe) Yes No		0	Wetland Hydr	ology Present?	Yes O No 💿	
(includes capillally fillige)				-bl		
Describe Recorded Data (stream gauge, modern photos for 5 years between 2005 and 2						
Domayla						
Remarks:						
No hydrology indicators. The plot occupied	a well elevated area.					

VEGETATION - OSE SCIENCING Haines of pla	iiics.			Sampling Point: 04
(Dist. size. 2.936 of	Absolute	C 1 2	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 2,826 sf)	% Cover	Species?	Status	Number of Dominant Species
1,				That are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: 0 (B)
4				Devent of deminant Charles
5				Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
6				, ,
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 2,826 sf)	0	= Total Cover		Total % Cover of: Multiply by:
1	0			OBL species 0 x 1 = 0
2				FACW species $0 \times 2 = 0$
3				FAC species $0 \times 3 = 0$
4				FACU species $0 \times 4 = 0$
5				UPL species $0 \times 5 = 0$
6				Column Totals: 0 (A) 0 (B)
7				Prevalence Index = B/A = 0.000
Herb Stratum (Plot size: 78.5 sf	0	= Total Cover	•	Hydrophytic Vegetation Indicators:
Herb Stratum (Flot Size. 76.3 Si				Rapid Test for Hydrophytic Vegetation
1				Dominance Test is > 50%
2				Prevalence Index is ≤3.0 ¹
3				Morphological Adaptations ¹ (Provide supporting
4				data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				
7	0			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8	0			
9	0			Definitions of Vegetation Strata:
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12	0			Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 2,826 sf)	0	= Total Cover	•	greater than 3.28 ft (1m) tall
1				Herb - All herbaceous (non-woody) plants, regardless of
2				size, and woody plants less than 3.28 ft tall.
3				Woody vine - All woody vines greater than 3.28 ft in
4				height.
		= Total Cover	•	
				Hydrophytic
				Vegetation
				Present? Yes O NO S
Remarks: (Include photo numbers here or on a separate sh	•			
The plot occupied a crop field that was just tilled and did n				
hydrology and hydric soil indicators, and the well elevated vegetation under normal circumstances, i.e., in the absence			ite would	probably support predominantly non-nydropnytic
. egention and a morning encumbation, not, in the absence	c or unager			

 $[*] Indicator \ suffix = \ National \ status \ or \ professional \ decision \ assigned \ because \ Regional \ status \ not \ defined \ by \ FWS.$

(inches)	<u>Matrix</u>		Redox Features	_
	Color (moist)	%	Color (moist) % Type 1 Loc2	Texture Remarks
0-17	10YR 2/1	100		Silt Loam
17-24	10YR 3/3	100		Silty Clay Loam
Type: C=Con	centration. D=Depletic	n. RM=Redu	ced Matrix, CS=Covered or Coated Sand Grains ² Loca	ation: PI =Pore Lining, M=Matrix
Hydric Soil I				
Histosol (Polyvalue Below Surface (S8) (LRR R,	Indicators for Problematic Hydric Soils: 3
_ `	pedon (A2)		MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Black Hist			☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
	Sulfide (A4)		Loamy Mucky Mineral (F1) LRR K, L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	Layers (A5)		Loamy Gleyed Matrix (F2)	☐ Dark Surface (S7) (LRR K, L, M)
	Below Dark Surface (A	(11)	Depleted Matrix (F3)	Polyvalue Below Surface (S8) (LRR K, L)
	k Surface (A12)	,	Redox Dark Surface (F6)	Thin Dark Surface (S9) (LRR K, L)
_	ıck Mineral (S1)		Depleted Dark Surface (F7)	☐ Iron-Manganese Masses (F12) (LRR K, L, R)
	eyed Matrix (S4)		Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Red				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	Matrix (S6)			Red Parent Material (F21)
	ace (S7) (LRR R, MLRA	\ 149B)		Very Shallow Dark Surface (TF12)
				Uther (Explain in Remarks)
Indicators of	r nydropnytic vegetatio	n and wetlar	nd hydrology must be present, unless disturbed or proble	ematic.
Restrictive La	ayer (if observed):			
Type:				undia gall processor v. O. N. O.
Depth (incl	hes):			Hydric Soil Present? Yes ○ No •
Remarks:				
	licators.			
	icators.			
Remarks: No hydric ind	icators.			
	icators.			

Project/Site: Woodland Drive West		City/County: Waunakee, Dane C	Co. Samplin	11-May-22
Applicant/Owner: Lone Silo North Addi	lition, LLC	State: Wis	sconsin Sampling Point:	05
Investigator(s): Scott Taylor		Section, Township, Range:	s. 18 t. 8N	r. 9E
Landform (hillslope, terrace, etc.):	Toeslope	Local relief (concave, convex, n	one): concave	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.:	43.17629 Long		Datum: NAD83
Soil Map Unit Name: Wacousta silly		13.17.023	NWI classification:	
Are climatic/hydrologic conditions or	n the site typical for this time of y	rear? Yes No	(If no, explain in Remarks	s.)
Are Vegetation, Soil			Circumstances" present?	Yes ● No ○
Are Vegetation . , Soil .			•	
Summary of Findings - Att		(=: ::====,	explain any answers in Ren ns, transects, impor	-
Hydrophytic Vegetation Present?	Yes No			
Hydric Soil Present?	Yes No	Is the Sampled Area within a Wetland?	Yes ● No ○	
Wetland Hydrology Present?	Yes No	WILLIIII a WCLIaliu:	100 1 110	
Remarks: (Explain alternative proc		nrt.)		
weather station within two weeks p	prior to the date of fieldwork was	0.8 inch. Total precipitation rec	orded within 3 days prior t	o the date of fieldwork was
Hydrology				
Wetland Hydrology Indicators:			Secondary Indicators (minim	um of 2 required)
Primary Indicators (minimum of on	ne required; check all that apply)		Surface Soil Cracks (B6)	
Surface Water (A1)	Water-Stained Lea	` '	Drainage Patterns (B10)	
High Water Table (A2)	Aquatic Fauna (B1	•	Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B1	•	Dry Season Water Table	(C2)
Water Marks (B1)	Hydrogen Sulfide	, ,	Crayfish Burrows (C8)	. (22)
Sediment Deposits (B2)		neres along Living Roots (C3)	Saturation Visible on Aer	• , , ,
☐ Drift deposits (B3) ☐ Algal Mat or Crust (B4)	Presence of Reduc	• •	Stunted or Stressed Plan	• •
Iron Deposits (B5)		ction in Tilled Soils (C6)	✓ Geomorphic Position (D2)	2)
Inundation Visible on Aerial Imagery	Thin Muck Surface	` '	Shallow Aquitard (D3)	(04)
Sparsely Vegetated Concave Surface	Other (Explain in)	Remarks)	✓ Microtopographic Relief✓ FAC-neutral Test (D5)	(04)
Field Observations:				
Surface Water Present? Yes	,	0		
Water Table Present? Yes •	No O Depth (inches):		rology Present? Yes	N _a ()
Saturation Present? (includes capillary fringe) Yes	No O Depth (inches):	Wetland Hydr	rology Present? Yes	● No ○
Describe Recorded Data (stream ga	nuge, monitoring well, aerial photo	os, previous inspections), if avail	lable:	
The plot occupied the bottom of a c	depression. The soil was saturated	d to the surface.		

2000	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 2,826 sf)	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				Species Across Air Strata.
5		H		Percent of dominant Species
				That Are OBL, FACW, or FAC: 100.0% (A/B)
6				
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 2,826 sf)	=	= Total Cover		Total % Cover of: Multiply by:
A Calle discale	_ 5		FACW	OBL species 90 x 1 = 90
		✓	TACVV	FACW species <u>40</u> x 2 = <u>80</u>
2				FAC species $10 \times 3 = 30$
3				FACU species $0 \times 4 = 0$
4	0			UPL species $0 \times 5 = 0$
5	0			l ·
6	0			Column Totals: <u>140</u> (A) <u>200</u> (B)
7	0			Prevalence Index = B/A = 1.429
(0)	5 =	= Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 78.5 sf				
1. Typha angustifolia	90	✓	OBL	✓ Rapid Test for Hydrophytic Vegetation
2 Phalaris arundinacea	20		FACW	✓ Dominance Test is > 50%
3. Impatiens capensis			FACW	✓ Prevalence Index is ≤3.0 ¹
		ī	FAC	Morphological Adaptations ¹ (Provide supporting
		Ä	<u> </u>	data in Remarks or on a separate sheet)
5		H		☐ Problematic Hydrophytic Vegetation ¹ (Explain)
6				
7		\vdash		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8	0			
9	0			Definitions of Vegetation Strata:
10	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				
		= Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 2,826 sf)		- 10001 00101		greater than 3.26 it (1111) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2.	0			size, and woody plants less than 3.28 ft tall.
3	0			
J	0			Woody vine - All woody vines greater than 3.28 ft in height.
4				noight.
		= Total Cover		
				Hydrophytic Vegetation
				Present? Yes No
Remarks: (Include photo numbers here or on a separate she	ot \			
	et.)			
The plot occupied a cattail-dominated meadow.				

Sampling Point: 05

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Profile Descr Depth	iption: (De	scribe to Matrix	ıne aepti	ı needed to d		the indicators		iitirm the	absence of indicators	s. <i>)</i>	
(inches)	Color (%	Color (r		%	Type ¹	Loc2	- Texture	Re	emarks
0-7	10YR	2/1	100					-	Silt Loam		
 7-24	10YR	2/1	95	10YR	4/6	5		PL	Silt Loam		
									Sile Louin		
	-							-	-		
		-									
									-		
									-		
									-		
1Type: C=Con	centration C	Denletio	n DM-Da	duced Matrix C	S-Covere	d or Coate	d Sand Gra	nine 21 oca	ation: PL=Pore Lining. N	 M_Matriv	
Hydric Soil I)=Depletio	III. KIII–KO	Juceu Maurix, C	3=0000	d or coate	u Janu Gra	11115 -LOCA			2
l <u>~</u>				□ Deles	alua Dalai	Cf==== (C0) (LDD D		Indicators for Pr	roblematic Hyd	Iric Soils: 3
Histosol (•				aiue Beiov v 149B)	v Surface (58) (LKK K	,	2 cm Muck (A	10) (LRR K, L, M	LRA 149B)
	pedon (A2)				•	ace (S9) (L	.RR R, MLR	A 149B)	Coast Prairie F	Redox (A16) (LRI	R K, L, R)
Black Hist	Sulfide (A4)					Mineral (F1)			5 cm Mucky P	Peat or Peat (S3)	(LRR K, L, R)
	Layers (A5)	,		_		Matrix (F2)				(S7) (LRR K, L, N	
	Below Dark :	Surface (A	11)		ted Matrix					ow Surface (S8) (
	k Surface (A		11)	_		rface (F6)				face (S9) (LRR k	
	ck Mineral (S			Deple	ted Dark	Surface (F7	7)			ese Masses (F12)	
	eyed Matrix (Redo	x Depress	ions (F8)				odplain Soils (F19	
Sandy Re		34)								(TA6) (MLRA 144	1A, 145, 149B)
	Matrix (S6)								Red Parent Ma		
	ace (S7) (LR	RR MIRA	149R)							Dark Surface (TF	·12)
									Other (Explain	n in Remarks)	
Indicators of	hydrophytic	vegetatio	n and wetl	and hydrology	must be p	resent, uni	ess disturb	ed or probl	ematic.		
Restrictive L	ayer (if obs	served):									
Туре:											
Depth (inc	hes):								Hydric Soil Presen	it? Yes 💿	No O
Remarks:											

Project/Site: Woodland Drive West	City/County: Wa	unakee, Dane Co.	Sampling Date: 11-May-22
Applicant/Owner: Lone Silo North Addition, LLC		State: Wisconsin Sam	npling Point: 06
Investigator(s): Scott Taylor	Section, Town	ship, Range: S. 18	T. 8N R. 9E
Landform (hillslope, terrace, etc.): Footslope		ave, convex, none): conv	
			
Subregion (LRR or MLRA): LRR K	Lat.: 43.17629	Long.: -89.4702	
Soil Map Unit Name: Wacousta silly clay loam (Wa)			lassification: None
Are climatic/hydrologic conditions on the site typical for	this time of year? Yes	No (If no, expl	ain in Remarks.)
Are Vegetation $\ \square$, Soil $\ \square$, or Hydrology $\ \square$	significantly disturbed?	Are "Normal Circumstane	ces" present? Yes No
Are Vegetation $\ \square$, Soil $\ \square$, or Hydrology $\ \square$	naturally problematic?	(If needed, explain any a	answers in Remarks.)
Summary of Findings - Attach site map s	showing sampling poin	t locations, transe	ects, important features, etc.
Hydrophytic Vegetation Present? Yes No •			
Hydric Soil Present? Yes No	Is the Sar within a V	mpled Area Wetland? Yes \bigcirc N	No 💿
Wetland Hydrology Present? Yes ○ No •			
Remarks: (Explain alternative procedures here or in a s	separate report.)		
Hydrology			
Wetland Hydrology Indicators:		_Secondary Ir	ndicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all	l that apply)	Surface	Soil Cracks (B6)
	ater-Stained Leaves (B9)		e Patterns (B10)
	uatic Fauna (B13)		rim Lines (B16)
	rl Deposits (B15)	_ '	son Water Table (C2)
	drogen Sulfide Odor (C1)		Burrows (C8)
	idized Rhizospheres along Living Roo		on Visible on Aerial Imagery (C9) or Stressed Plants (D1)
	esence of Reduced Iron (C4) cent Iron Reduction in Tilled Soils (C6	=	rphic Position (D2)
True Demonstra (DE)	•	,	Aquitard (D3)
In modelian Visible on April Imagent (B7)	in Muck Surface (C7)		pographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	ner (Explain in Remarks)		utral Test (D5)
Field Observations:			
0 0	Pepth (inches): 0		
	Depth (inches):0		
		Wetland Hydrology Prese	nt? Yes O No 💿
(includes capillary fiffige)	Pepth (inches):0		
Describe Recorded Data (stream gauge, monitoring well Remarks: No hydrology indicators. The plot occupied a well elevate		uons), ii avaliabie:	

2000	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 2,826 sf)	% Cover	Species?	Status	Number of Dominant Species
1				That are OBL, FACW, or FAC:0(A)
2	0			Total Number of Descipent
3				Total Number of Dominant Species Across All Strata:3(B)
4				(,
5				Percent of dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
		= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 2,826 sf)				OBL species 0 x 1 = 0
1	0			FACW species 0 x 2 = 0
2	0			FAC species $0 \times 3 = 0$
3	0			
4	0			FACU species $\frac{60}{40}$ x 4 = $\frac{240}{300}$
5	0			UPL species $\frac{40}{}$ x 5 = $\frac{200}{}$
6				Column Totals: <u>100</u> (A) <u>440</u> (B)
7				Prevalence Index = B/A = 4.400
		= Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 78.5 sf)				
1 Medicago sativa	40	✓	UPL	Rapid Test for Hydrophytic Vegetation
2 Trifolium pratense	20	✓	FACU	☐ Dominance Test is > 50%
3. Dactylis glomerata	40	✓	FACU	Prevalence Index is ≤3.0 ¹
4	-			Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				Problematic Hydrophytic Vegetation - (Explain)
7				¹ Indicators of hydric soil and wetland hydrology must
		$\overline{\Box}$		be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				_
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
11				at breast height (DDH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 2,826 sf)	100 =	= Total Cover		greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2.	0			size, and woody plants less than 3.28 ft tall.
3	0			
J	0			Woody vine - All woody vines greater than 3.28 ft in height.
4		= Total Cover		noight.
		- Total Covel		
				Hydrophytic
				Vegetation
				Present? Yes UNO U
Remarks: (Include photo numbers here or on a separate she	et.)			
Open grassy, herbaceous meadow.				

Sampling Point: 06

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Profile Descr Depth	iption: (De	scribe to Matrix	tne depti	n neeaed to de		the indicators		nrirm the	absence of indicators	.)	
(inches)	Color ((moist)	%	Color (r		%	Type ¹	Loc2	Texture	Rem	narks
0-7	10YR	2/2	100					-	Silt Loam		
 7-24	10YR	2/2	95	10YR	4/8	5		PL	Silt Loam		
					.,0				Sile Louin		
	-				-			-	-		
									-		
									-		
1Type: C=Con	centration C)—Denletio	n DM-Do	duced Matrix C	S-Covere	nd or Coate	d Sand Gra	nine 21 oca	ation: PL=Pore Lining. N	 1–Matriv	
Hydric Soil I		•	ii. Ki-i-kc	duccu Matrix, C	3-covere	d or coate	u Sana Gre	11113 LOCC	_		3
Hydric Soil 1				Doham	alua Polos	v Surface (ם ממו) (SS)		Indicators for Pr		
`	pedon (A2)				149B)	v Suriace (56) (LKK K	,	2 cm Muck (A	10) (LRR K, L, MLR	A 149B)
Black Hist				☐ Thin I	Dark Surfa	ace (S9) (L	.RR R, MLR	A 149B)		Redox (A16) (LRR k	
	Sulfide (A4)	١				Mineral (F1)				eat or Peat (S3) (LI	RR K, L, R)
	Layers (A5)	,		Loam	y Gleyed I	Matrix (F2)				(S7) (LRR K, L, M)	
	Below Dark !	Surface (A	11)	Deple	ted Matrix	k (F3)				w Surface (S8) (LR	
	k Surface (A			✓ Redox	c Dark Sui	rface (F6)				ace (S9) (LRR K, I	
	ck Mineral (S			Deple	ted Dark	Surface (F7	7)			se Masses (F12) (L	
	eyed Matrix (Redox	C Depress	ions (F8)				dplain Soils (F19) (
Sandy Re		3.7								TA6) (MLRA 144A,	145, 149B)
	Matrix (S6)								Red Parent Ma		
	ace (S7) (LR	R R. MLRA	(149B)							Dark Surface (TF12	2)
									Other (Explain	in Remarks)	
Indicators of	hydrophytic	c vegetatio	n and wet	land hydrology	must be p	resent, uni	ess disturb	ed or probl	ematic.		
Restrictive L	ayer (if obs	served):									
Type:									Under Call Burner		
Depth (inc	hes):								Hydric Soil Presen	t? Yes 💿	No O
Remarks:											

Project/Site: Woodland Drive West		City/County:	Waunakee, Dane Co	Samplin	Date: 11-May-22
Applicant/Owner: Lone Silo North Addition	, LLC		State: Wisco	onsin Sampling Point:	07
Investigator(s): Scott Taylor		Section, To	wnship, Range: S.	18 T. 8N	r. 9E
Landform (hillslope, terrace, etc.): Toe	eslope	Local relief (co	ncave, convex, nor	ne): concave	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.:	43.17629	Long.:	-89.470233	Datum: NAD83
Soil Map Unit Name: Wacousta silly clay	y loam (Wa)			NWI classification:	 T3/S3Kg
Are climatic/hydrologic conditions on th	e site typical for this time of y	ear? Yes	s	- If no, explain in Remarks)
Are Vegetation , Soil , or	r Hydrology 🔲 significant	ly disturbed?	Are "Normal C	ircumstances" present?	Yes No
Are Vegetation ☐ , Soil ✓ , or	r Hydrology 🔲 naturally p	problematic?	(If needed, ex	plain any answers in Ren	narks.)
Summary of Findings - Attac	ch site map showing s	sampling po			-
Hydrophytic Vegetation Present? Yes	es No				_
Hydric Soil Present?	es 💿 No 🔾		Sampled Area a Wetland?	Yes ● No ○	
Wetland Hydrology Present?	es 💿 No 🔾		- 		
Remarks: (Explain alternative procedu	res here or in a separate repo	rt.)			
Hydrology					
Wetland Hydrology Indicators:			S	Secondary Indicators (minim	um of 2 required)
Primary Indicators (minimum of one re	equired; check all that apply)			Surface Soil Cracks (B6)	
Surface Water (A1)	Water-Stained Lea	` ,		Drainage Patterns (B10)	
✓ High Water Table (A2)	☐ Aquatic Fauna (B1	-	[Moss Trim Lines (B16)	>
✓ Saturation (A3) Water Marks (B1)	Marl Deposits (B1	,	[Dry Season Water TableCrayfish Burrows (C8)	(C2)
Sediment Deposits (B2)	Hydrogen Sulfide Oxidized Rhizosph	. ,	Poots (C3)	Saturation Visible on Aer	ial Imagery (C9)
Drift deposits (B3)	Presence of Reduc		(000)	Stunted or Stressed Plan	• , . ,
Algal Mat or Crust (B4)	Recent Iron Reduc	, ,	s (C6)	Geomorphic Position (D2	` '
☐ Iron Deposits (B5)	☐ Thin Muck Surface	e (C7)	[Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B)		Remarks)	[Microtopographic Relief	(D4)
Sparsely Vegetated Concave Surface (B	8)		ŀ	FAC-neutral Test (D5)	
Field Observations:					
	No Depth (inches):	0			
Water Table Present? Yes •	No O Depth (inches):	10		Vaa (No O
Saturation Present? (includes capillary fringe) Yes •	No O Depth (inches):	0	Wetland Hydrol	ogy Present? 1es	₽ NO ○
Describe Recorded Data (stream gauge	e, monitoring well, aerial photo	os, previous ins	pections), if availab	ole:	
Remarks:					
The plot occupied the bottom of a depr	ession. The soil was saturated	d to the surface	е.		

2.026.5	Absolute	C		Dominance Test worksheet:
Tree Stratum (Plot size: 2,826 sf)	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:3 (A)
2	0			Takal Number of Descious
3	0			Total Number of Dominant Species Across All Strata: 3 (B)
4				
5				Percent of dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 2,826 sf				OBL species 105 x 1 = 105
1. Salix discolor	20	✓	FACW	FACW species 45 x 2 = 90
2. Salix interior	10	✓	FACW	
3. Cornus alba	5		FACW	FAC species $0 \times 3 = 0$
4				FACU species $0 \times 4 = 0$
5				UPL species $0 \times 5 = 0$
6				Column Totals: <u>150</u> (A) <u>195</u> (B)
7.				Prevalence Index = B/A = 1.300
		= Total Cover		Prevalence index = B/A = 1.300
Herb Stratum (Plot size: 78.5 sf)	35	– Total Cover		Hydrophytic Vegetation Indicators:
	90	✓	OBL	Rapid Test for Hydrophytic Vegetation
O. Timbo and watifulia			OBL	✓ Dominance Test is > 50%
			FACW	✓ Prevalence Index is ≤3.0 ¹
3. Impatiens capensis	-		FACW	☐ Morphological Adaptations ¹ (Provide supporting
4				data in Remarks or on a separate sheet)
5				☐ Problematic Hydrophytic Vegetation ¹ (Explain)
6				1
7	0			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8	0			
9	0			Definitions of Vegetation Strata:
10	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12		$\overline{\Box}$		
		= Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 2,826 sf				greater than 3.20 it (1111) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	_ 0			height.
	0 :	= Total Cover		
				Hydrophytic
				Vegetation V 🐧 N 🔿
				Present? Yes No
Remarks: (Include photo numbers here or on a separate she	et.)			
The plot occupied a sedge meadow with scattered shrub thi	ckets.			
· · · · · · · · · · · · · · · · · · ·				

Sampling Point: 07

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Profile Description: (Describe to the dep	th needed to document	the indicator or co	nfirm the a	absence of indicators.)	
Depth Matrix		ox Features		_	
(inches) Color (moist) %	Color (moist)	<u>%</u> Type ¹	Loc²	Texture	Remarks
				Silt Loam	
		-		-	
1 Type: C=Concentration. D=Depletion. RM=F	teduced Matrix, CS=Covere	d or Coated Sand Gr	ains ² Loca	tion: PL=Pore Lining. M=	Matrix
Hydric Soil Indicators:				Indicators for Prob	olematic Hydric Soils: 3
Histosol (A1)		Surface (S8) (LRR F	١,) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)	MLRA 149B)				dox (A16) (LRR K, L, R)
Black Histic (A3)		ce (S9) (LRR R, MLF			t or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4)		ineral (F1) LRR K, L)		Dark Surface (S7	
Stratified Layers (A5)	Loamy Gleyed N				Surface (S8) (LRR K, L)
Depleted Below Dark Surface (A11)	Depleted Matrix				e (S9) (LRR K, L)
Thick Dark Surface (A12)	Redox Dark Sur				Masses (F12) (LRR K, L, R)
Sandy Muck Mineral (S1)	Depleted Dark S				lain Soils (F19) (MLRA 149B)
Sandy Gleyed Matrix (S4)	Redox Depression	ons (F8)			A6) (MLRA 144A, 145, 149B)
Sandy Redox (S5)				Red Parent Mate	rial (F21)
Stripped Matrix (S6)				Very Shallow Dar	rk Surface (TF12)
Dark Surface (S7) (LRR R, MLRA 149B)				✓ Other (Explain in	Remarks)
³ Indicators of hydrophytic vegetation and we	etland hydrology must be pi	esent, unless disturt	ed or proble	ematic.	
Restrictive Layer (if observed):					
Type:					
Depth (inches):				Hydric Soil Present?	Yes 💿 No 🔾
Remarks:					
No hydric indicators observed however provention and hydrology indicators, follogularity. Manual.					

Project/Site: Woodland Drive West	City/County:	Waunakee, Dane Co.	Sampling Date: 11-May-22
Applicant/Owner: Lone Silo North Addition, LLC		State: Wisconsin	Sampling Point: 08
Investigator(s): Scott Taylor	Section, To	wnship, Range: S. 18	т. 8N г. 9E
Landform (hillslope, terrace, etc.): Backslope		ncave, convex, none):	
Subregion (LRR or MLRA): LRR K	Lat.: 43,17629	Long.: -89	
Soil Map Unit Name: Plano silt loam (PnC2)			NWI classification: None
		<u> </u>	
Are climatic/hydrologic conditions on the site ty Are Vegetation , or Hydrol	production came or year.	(2.1.10	n, explain in Remarks.) mstances" present? Yes \(\cap \) No \(\bullet \)
_ , , , , ,			
Are Vegetation U , Soil U , or Hydrol			n any answers in Remarks.)
Summary of Findings - Attach site		oint locations, tr	ansects, important features, etc.
Hydrophytic Vegetation Present? Yes	No • Is the:	Sampled Area	
Hydric Soil Present? Yes	within	a Wetland? Yes	s ○ No ●
Wetland Hydrology Present? Yes	No •		
Hydrology			
Wetland Hydrology Indicators:		Secor	ndary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required;	check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)		Prainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)		loss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)		Ory Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	=	Crayfish Burrows (C8)
Sediment Deposits (B2) Drift deposits (B3)	Oxidized Rhizospheres along Living F	` ′ _	aturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4) ☐ Recent Iron Reduction in Tilled Soils		itunted or Stressed Plants (D1) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	()	challow Aquitard (D3)
☐ Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		ficrotopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		☐ F	AC-neutral Test (D5)
Field Observations: Surface Water Present? Yes No No	Depth (inches): 0		
Water Table Present? Yes No •	Depth (inches):0		
Saturation Present?	Depth (inches): 0	Wetland Hydrology	Present? Yes ○ No ●
(includes capillary fringe) Describe Recorded Data (stream gauge, monitor		pections), if available:	
Air photos for 5 years between 2005 and 2021			
Remarks:			
No hydrology indicators. The plot occupied a w	ell elevated area.		
ine nyarotogy mateutore. The proceedages a m	5. C.C. 4.C4 4. C4.		

VEGETATION - Ose scientific fiames of pla	iits.			Sampling Point: 08
(5)	Absolute	0	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 2,826 sf)	% Cover	Species?	Status	Number of Dominant Species
1				That are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: 0 (B)
4				
5				Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
6				That file OBE, Thew, of the
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 2,826 sf)	0	= Total Cover	•	Total % Cover of: Multiply by:
1	0			OBL species 0 x 1 = 0
2		H		FACW species $0 \times 2 = 0$
3		H		FAC species x 3 =
4		H		FACU species $0 \times 4 = 0$
5		Π		UPL species $0 \times 5 = 0$
6		Ē		
7				Prevalence Index = B/A = 0.000
	0	= Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 78.5 sf				Rapid Test for Hydrophytic Vegetation
1	0			Dominance Test is > 50%
2	0			Prevalence Index is ≤3.0 ¹
3	0			
4				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6				
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11	0			at breast height (DBH), regardless of height.
12				 Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 2,826 sf)	0	= Total Cover	•	greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3.	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0	= Total Cover		
				Hydrophytic
				Vegetation
				Present? Yes O NO S
Remarks: (Include photo numbers here or on a separate she	•			
The plot occupied a crop field that was just tilled and did no				
hydrology and hydric soil indicators, and the well elevated l vegetation under normal circumstances, i.e., in the absence			ite would	probably support predominantly non-nydrophytic
. against and a normal circumstances, her, in the absence	. c. anage.			

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Cook		Matr	rix	Redox Fe	atures			
0-18	(inches)					Loc ²	Texture	Remarks
ype: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ydric Soil Indicators: Histosol (A1)	0-18						-	
ype: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ydric Soil Indicators:	18-24	10YR 3/	/3 100				Silty Clay Loam	
ydric Soil Indicators: Histosol (A1)							Sity day Louin	
Indicators: Histosol (A1)								
Histosol (A1)								
Indicators for Problematic Hydric Soils: Histosol (A1)								
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Depleted Below Dark Surface (A12) Redox Dark Surface (F6) Thin Dark Surface (F7) Sandy Muck Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F12) (LRR K, L, R) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) diciators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. ***Trictive Layer (if observed):** Type: Depth (inches): ***Trictive Layer (if observed):** ***Trictive Laye								
Indicators: Histosol (A1)								
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Depleted Below Dark Surface (A12) Redox Dark Surface (F6) Thin Dark Surface (F7) Sandy Muck Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F12) (LRR K, L, R) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) diciators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. ***Trictive Layer (if observed):** Type: Depth (inches): ***Trictive Layer (if observed):** ***Trictive Laye								
Indicators for Problematic Hydric Soils: Histosol (A1)								
Histosol (A1)								
Indicators for Problematic Hydric Soils: Histosol (A1)								
Indicators for Problematic Hydric Soils: Histosol (A1)								
Histosol (A1)								
Indicators for Problematic Hydric Soils: Histosol (A1)	ros C=Concor	ntration D-Donl	lotion DM-Rodu	used Matrix CS=Covered or C	oated Sand Crain	s 21 ocat	ion: DI - Doro Lining M-M	atriv
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B)			edon. Kri–Kedu	——————————————————————————————————————	Jaceu Sanu Grain	5 -LUCAL		3
Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR R, L) Redox Depressions (F8) Redox Depressions (F8) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Thin Dark Surface (S9) (LRR R, L) Dark Surface (S9) (LRR R, L, R) Polyvalue Below Surface (S8) (LRR K, L) Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Type: Depth (inches): Type: Depth (inches):	-			Debaratus Balaus Confe	(CO) (LDD D		Indicators for Proble	ematic Hydric Soils:
Black Histic (A3)	_				ce (30) (LKK K,			
Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) I ron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Addicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Mesic Soil Present? Yes No No) (LRR R, MLRA	149B)	Coast Prairie Redo	x (A16) (LRR K, L, R)
Stratified Layers (A5)	_							
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) (LRR R, L, R) Piedmont Floodplain Soils (F19) (MLRA 1498) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Dark Surface (S7) (LRR R, MLRA 149B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Depth (inches): In noark Surface (S9) (LRR R, L) Iron-Manganese Masses (F12) (LRR R, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Other (Explain in Remarks) Other (Explain in Remarks) Hydric Soil Present? Yes No emarks:	_			Loamy Gleyed Matrix	(F2)			
Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Muck Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 1498 Mesic Spodic (TA6) (MLRA 144A, 145, 1498) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 1498) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Type: Hydric Soil Present? Yes No Tyes No			e (A11)					
Sandy Muck Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F12) (LRR K, L, R) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Stripped Matrix (S6) Red Parent Material (F21) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Depth (inches): Hydric Soil Present? Yes No	_		z (AII)	Redox Dark Surface (F	- 6)			
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Type: Ty				Depleted Dark Surface	e (F7)			
Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Depth (inches): Type: Type: Depth (inches): Type: Depth (inches): Type: Depth (inches): Type: Type: Depth (inches): Type: Depth (inches): Type: Type: Depth (inches): Type: Type: Depth (inches): Type: Type: Depth (inches): Type: Type	-			Redox Depressions (F	8)			
Stripped Matrix (S6)	-							
Dark Surface (S7) (LRR R, MLRA 149B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Depth (inches): Type: Depth (inches):	-							
indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Instrictive Layer (if observed): Type: Depth (inches): Depth (inches): Depth (inches): Depth (inches):	7		II RA 149R)					
Type:								Remarks)
Type:	Indicators of hy	ydrophytic veget	ation and wetlar	nd hydrology must be present,	unless disturbed	l or proble	matic.	
Depth (inches): Hydric Soil Present? Yes No •	strictive Laye	er (if observed	l):					
emarks:	Type:						Hudria Cail Dresant2	V O N- O
	Depth (inches	5):					Hydric Soil Present?	Yes ∪ No •
hydric indicators.	marks:							
		store						
	hydric indica	11015.						
	hydric indica	ators.						
	hydric indica	ators.						
	nydric indica	ators.						
	hydric indica	ators.						
	hydric indica	ators.						
	hydric indica	stors.						
	hydric indica	stors.						
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	hydric indica	acors.						
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	hydric indica	atol S.						
	hydric indica	atol S.						
	hydric indica	atol S.						

Project/Site: Woodland Drive West	City/County: Waunakee, Dane	Co. Sampling Date: 11-May-22
Applicant/Owner: Lone Silo North Addition, LLC	State: Wi	sconsin Sampling Point: 09
Investigator(s): Scott Taylor	Section, Township, Range:	S. 18 T. 8N R. 9E
Landform (hillslope, terrace, etc.): Backslope	Local relief (concave, convex, r	
Subregion (LRR or MLRA): LRR K Lat.:	43.17629 Long	.: -89.470233 Datum : NAD83
Soil Map Unit Name: Plano silt loam (PnB)		NWI classification: None
Are climatic/hydrologic conditions on the site typical for this time of y	ear? Yes No	(If no, explain in Remarks.)
		Circumstances" present? Yes No
	•	explain any answers in Remarks.)
Summary of Findings - Attach site map showing s	•	
Hydrophytic Vegetation Present? Yes No No		
Hydric Soil Present? Yes No •	Is the Sampled Area within a Wetland?	Yes ○ No •
Wetland Hydrology Present? Yes ○ No ●		
Remarks: (Explain alternative procedures here or in a separate reportance Using the Natural Resource Conservation Service weighted-month monomorphism moisture level should NORMAL (the moisture level was 11 on a scale weather station within two weeks prior to the date of fieldwork was	nethod, based on total precipitate of 6-18). Total precipitation re	ecorded at the nearby Dane County Regional Airport
0.02 inch.		
Hydrology		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Lea	` '	Drainage Patterns (B10)
☐ High Water Table (A2) ☐ Aquatic Fauna (B1 ☐ Saturation (A3) ☐ Marl Deposits (B15	•	☐ Moss Trim Lines (B16) ☐ Dry Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide (•	Crayfish Burrows (C8)
The state of the s	eres along Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Reduc		Stunted or Stressed Plants (D1)
	ction in Tilled Soils (C6)	Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	,	Shallow Aquitard (D3)
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in F	• •	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	Cinc	FAC-neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No Depth (inches):	0	
Water Table Present? Yes No Depth (inches):	0	rology Present? Yes O No 💿
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	Wetland Hyd	rology Present? Yes O No •
Describe Recorded Data (stream gauge, monitoring well, aerial photo	os, previous inspections), if avai	lable:
Remarks: No hydrology indicators. The plot occupied the bottom of a wide, sha so water would not be expected to collect and linger here.	allow swale however this locatio	n was still a relatively well elevated landscape area

2020-1	Absolute	C		Dominance Test worksheet:
Tree Stratum (Plot size: 2,826 sf)	% Cover	Species?	Status	Number of Dominant Species
1 Salix amygdaloides	40	✓	FACW	That are OBL, FACW, or FAC:
2	0			Tatal Number of Descious
3				Total Number of Dominant Species Across All Strata: 4 (B)
4				(,
5		$\overline{\Box}$		Percent of dominant Species
6		П		That Are OBL, FACW, or FAC: 50.0% (A/B)
7				Prevalence Index worksheet:
		= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 2,826 sf)				OBL species 0 x 1 = 0
1	0			FACW species 40 x 2 = 80
2	0			FAC species 25 x 3 = 75
3	0			
4	0			20 100
5	0			ore species — x s = —
6				Column Totals: <u>165</u> (A) <u>575</u> (B)
7				Prevalence Index = B/A =3.485_
/Diat at 1 70 5 - 47	0	= Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 78.5 sf7)				Rapid Test for Hydrophytic Vegetation
1 Dactylis glomerata	30	✓	FACU	Dominance Test is > 50%
2. Bromus inermis	20		UPL	I =
3Trifolium repens	20		FACU	Prevalence Index is ≤3.0 ¹
4. Viola sororia	25	✓	FAC	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5. Taraxacum officinale	20	✓	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
6				Troblematic Hydrophytic regetation (Explain)
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
10		П		Trace Manda plants 2 in (7.0 and) an arrang in diamentan
11				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
12				a. a. ouete.g (22.17), regulated ofe.g
12		 = Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 2,826 sf)		- Iotal cover		greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2.	0			size, and woody plants less than 3.28 ft tall.
3	0			 Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 :	= Total Cover		
				Hydrophytic
				Vegetation
				Present? 165 5 No 5
Remarks: (Include photo numbers here or on a separate she	•			
The plot was in an open, grassy meadow with a mature will	ow tree on	an old fencel	ine.	

Sampling Point: 09

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Depth		Matrix			lox Features			
(inches)	Color (n	noist)	%	Color (moist)	%Type_1	Loc2	Texture	Remarks
0-24	10YR	2/2	100				Silt Loam	
							-	
							-	
¹ Type: C=Cor	centration. D=	=Depletio	n. RM=Redu	iced Matrix, CS=Covere	d or Coated Sand Grai	ns ² Loca	ition: PL=Pore Lining. M=M	atrix
Hydric Soil	Indicators:						Indicators for Proble	ematic Hydric Soils: 3
Histosol ((A1)				Surface (S8) (LRR R,			LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)			MLRA 149B)				
☐ Black His	tic (A3)			Thin Dark Surfa	ce (S9) (LRR R, MLRA	\ 149B)		x (A16) (LRR K, L, R)
	n Sulfide (A4)			Loamy Mucky M	lineral (F1) LRR K, L)			or Peat (S3) (LRR K, L, R)
	Layers (A5)			Loamy Gleyed N	latrix (F2)		☐ Dark Surface (S7)	
	Below Dark Si	urface (A	11)	Depleted Matrix	(F3)			urface (S8) (LRR K, L)
	rk Surface (A1		111)	Redox Dark Sur	face (F6)		Thin Dark Surface	
				Depleted Dark S			Iron-Manganese M	asses (F12) (LRR K, L, R)
_	uck Mineral (S1			Redox Depressi			Piedmont Floodpla	in Soils (F19) (MLRA 149B)
	eyed Matrix (S	4)		Redox Depressi	015 (10)		☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Re							Red Parent Materia	al (F21)
Stripped	Matrix (S6)						Very Shallow Dark	Surface (TF12)
☐ Dark Surf	face (S7) (LRR	R, MLRA	A 149B)				Other (Explain in F	
³ Indicators o	f hydronhytic y	vegetatio	n and wetlar	nd hydrology must be pi	resent unless disturbe	ed or proble	` '	,
			a.i.a iii caa	ia ilyai ology iliade be pi	escing amoss distance	54 0. p. 05.0		
	ayer (if obse	erved):						
Type:							Hydric Soil Present?	Yes ○ No •
Depth (inc	thes):						nyuric Soil Present?	res O No O
Remarks:								
No hydric inc	licators.							
ito ilyane ille	ileacoror							

Project/Site: Woodland Drive West	City/County: Waunak	ee, Dane Co.	Sampling Date: 11-May-22
Applicant/Owner: Lone Silo North Addition, LLC	S	tate: Wisconsin Sa	ampling Point: 10
Investigator(s): Scott Taylor	Section, Township,	, Range: S. 18	T. 8N R. 9E
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, o		ncave Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.: 43.17629	Long.: -89,47	
Soil Map Unit Name: Elburn silt loam (EfB)			classification: E1Kf
	s time of year? Yes O No		
Are climatic/hydrologic conditions on the site typical for this Are Vegetation , Soil , or Hydrology :	cline or year.	(21 110) 6x	plain in Remarks.) ances" present? Yes O No
		"Normal Circumsta	
, , , , , ,			y answers in Remarks.)
Summary of Findings - Attach site map she		Cations, train	sects, important reatures, etc.
Hydrophytic Vegetation Present? Yes No Ves N	Is the Sample	d Area	
1.7	within a Wetla		No •
Wetland Hydrology Present? Yes No No			
moisture level should NORMAL (the moisture level was 11 weather station within two weeks prior to the date of field 0.02 inch. The vegetation was significantly disturbed, and recently.	lwork was 0.8 inch. Total precipit	ation recorded with	nin 3 days prior to the date of fieldwork was
Hydrology			
Wetland Hydrology Indicators: Drimary Indicators (minimum of one required; check all the	-+ - mmh A		/ Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all th	at apply) Stained Leaves (B9)		ce Soil Cracks (B6) age Patterns (B10)
	c Fauna (B13)		Trim Lines (B16)
	eposits (B15)		eason Water Table (C2)
	gen Sulfide Odor (C1)	′	sh Burrows (C8)
	ed Rhizospheres along Living Roots (C	3) Satura	ation Visible on Aerial Imagery (C9)
Drift deposits (B3)	ce of Reduced Iron (C4)	Stunte	ed or Stressed Plants (D1)
Algal Mat or Crust (B4)	: Iron Reduction in Tilled Soils (C6)	Geom	orphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin M	uck Surface (C7)	Shallo	ow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	(Explain in Remarks)	Microt	topographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-n	neutral Test (D5)
Field Observations:			
Surface Water Present? Yes O No O Dept	h (inches): 0		
Water Table Present? Yes No O Dept	h (inches):0		v () N ()
Saturation Present? (includes capillary frings) Yes No Dept	Wetl h (inches):	and Hydrology Pres	sent? Yes No 🖲
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, a	erial photos, previous inspections	s), if available:	
Air photos for 5 years between 2005 and 2021 with norma			ears.
Remarks:			
No hydrology indicators. The plot occupied a low-lying area subsurface drainage system (4 inch perforated pipes, insta			

(Dlataine, 2.926 cf)	Absolute	Dominant Species?		Dominance Test worksheet:
Tree Stratum (Plot size: 2,826 sf	% Cover		Status	Number of Dominant Species
1,				That are OBL, FACW, or FAC:(A)
2				Total Number of Dominant
3				Species Across All Strata:
4	0			
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
6	0			That Are Obl., FACW, or FAC.
7	0			Prevalence Index worksheet:
Cauling (Church Churchum (Plot size: 2,826 sf	0 =	Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 2,826 sf)				OBL species
1				FACW species 10 x 2 = 20
2				FAC species x 3 =0
3				FACU species $0 \times 4 = 0$
4	0			UPL species $0 \times 5 = 0$
5				·
6	0			Column Totals: 10 (A) 20 (B)
7	0			Prevalence Index = B/A = 2.000
(Plot size: 78.5 sf	0 =	Total Cover	•	Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 78.5 sf				Rapid Test for Hydrophytic Vegetation
1. Cyperus esculentus	10	✓	FACW	✓ Dominance Test is > 50%
2	0			Prevalence Index is ≤3.0 ¹
3	0			
4	0			Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6				
7				¹ Indicators of hydric soil and wetland hydrology must
8.				be present, unless disturbed or problematic.
9.				Definitions of Vegetation Strata:
10		Ī		Tree Meady plants 2 in (7.6 cm) or more in diameter
11				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
12				
12		□ Total Cover	. ——	Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 2,826 sf)		- IOtal Covel		greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2.	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
1	0			height.
т	0 =	Total Cover		
		- rotal cover		
				Hydrophytic
				Vegetation
				Present? Yes V No
Remarks: (Include photo numbers here or on a separate she	et.)			
The plot occupied a crop field supporting corn seedlings & o				
field. However, considering the recent installation of drain ti		out this field	, this site v	vould probably support predominantly non-hydrophytic
vegetation under normal circumstances, i.e., in the absence	or tillage.			

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Depth	Matrix				dox Feat			absence of indicators.)	
. :	(moist)	%	Color (%	Type 1	_Loc2	Texture	Remarks
0-24 10YR	2/2	99	10YR	4/6	1	С	PL	Silt Loam	
			-	-				-	
				-					
								-	
								-	
	_								
	D. Danistia	- DM Dad	.aad Matrii (tion. Di Dove Linine M	Matrix
		ıı. KM=Kedl	iceu Matrix, (ಎ=cover	eu or Coat	eu sand Gr	aii is - LOCa	tion: PL=Pore Lining. M=	2
dric Soil Indicators:	:		□			(60) (155		Indicators for Pro	blematic Hydric Soils: ³
Histosol (A1)				value Belo [.] A 149B)	w Surface	(S8) (LRR F	₹,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)				•	ace (S9) (LRR R, MLF	RA 149B)	Coast Prairie Re	dox (A16) (LRR K, L, R)
Black Histic (A3)						L) LRR K, L)		5 cm Mucky Pea	at or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4					Matrix (F2		'	☐ Dark Surface (S	7) (LRR K, L, M)
Stratified Layers (A5)		44)		eted Matri		,		Polyvalue Below	Surface (S8) (LRR K, L)
Depleted Below Dark		11)			rface (F6)			Thin Dark Surfa	ce (S9) (LRR K, L)
Thick Dark Surface (A					Surface (F	7)		☐ Iron-Manganese	e Masses (F12) (LRR K, L, R)
Sandy Muck Mineral (x Depress		- /		Piedmont Flood	plain Soils (F19) (MLRA 149B)
Sandy Gleyed Matrix	(S4)			л 2 ор. оос	(. 0)			Mesic Spodic (T.	A6) (MLRA 144A, 145, 149B)
Sandy Redox (S5)								Red Parent Mate	erial (F21)
Stripped Matrix (S6)		1.400)						Very Shallow Da	ark Surface (TF12)
Dark Surface (S7) (LF								Other (Explain i	n Remarks)
ndicators of hydrophyti	ic vegetatio	n and wetla	nd hydrology	must be p	oresent, ur	less disturl	oed or proble	ematic.	
strictive Layer (if ob	served):								
Type:	•								
Depth (inches):								Hydric Soil Present?	Yes O No 💿
marks:									
hydric indicators.									

Project/Site: Woodland Drive West	City/County: Wau	nakee, Dane Co.	Sampling Date: 11-May-22
Applicant/Owner: Lone Silo North Addition, LLC		State: Wisconsin S	Sampling Point: 11
Investigator(s): Scott Taylor	Section, Townsl	hip, Range: S. 18	T. 8N R. 9E
Landform (hillslope, terrace, etc.): Toeslope		re, convex, none):	concave Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K La	 t.: 43.17629		
Soil Map Unit Name: Wacousta silly clay loam (Wa)			VI classification: E1Kf
Are climatic/hydrologic conditions on the site typical for this time	of year? Yes •		explain in Remarks.)
	or your.	Are "Normal Circums	Y O O
	•		ny answers in Remarks.)
Summary of Findings - Attach site map showin			
Hydrophytic Vegetation Present? Yes O No •			
Hydric Soil Present? Yes ● No ○	Is the Sam within a W		○ No •
Wetland Hydrology Present? Yes ○ No ●			
Remarks: (Explain alternative procedures here or in a separate	report.)		
recently.			
Hydrology			
Wetland Hydrology Indicators:		Seconda	ry Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that app	oly)		face Soil Cracks (B6)
Surface Water (A1) Water-Stained	` '		inage Patterns (B10)
☐ High Water Table (A2) ☐ Aquatic Fauna ☐ Saturation (A3) ☐ Marl Deposits	• •		ss Trim Lines (B16) Season Water Table (C2)
	(B15) fide Odor (C1)		rish Burrows (C8)
	ospheres along Living Roots	= '	uration Visible on Aerial Imagery (C9)
	educed Iron (C4)	` ′ _	nted or Stressed Plants (D1)
	eduction in Tilled Soils (C6)		morphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Su	rface (C7)	Sha	llow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain	n in Remarks)	Micr	rotopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		☐ FAC	-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes No Depth (inch	es):0		
Water Table Present? Yes O No O Depth (inch	es):0		esent? Yes O No 💿
Saturation Present? (includes capillary fringe) Yes No • Depth (inch		Vetland Hydrology Pr	esent? Yes UNO U
Describe Recorded Data (stream gauge, monitoring well, aerial p	hotos, previous inspecti	ons), if available:	
Air photos for 5 years between 2005 and 2021 with normal rainf			
Remarks:			
No hydrology indicators (except signatures on aerial imagery). To did not meet D2 since a subsurface drainage system (4 inch perf			

(Dlater - 2.936 of	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 2,826 sf)	% Cover	Species?	Status	Number of Dominant Species
1				That are OBL, FACW, or FAC:1 (A)
2	0			Total Number of Dominant
3	0			Species Across All Strata:2(B)
4	0			
5	0			Percent of dominant Species That Are OBL_FACW_or_FAC: 50.0% (A/B)
6	0			That Are OBL, FACW, or FAC:50.0% (A/B)
7				Prevalence Index worksheet:
7 12 12 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	0 =	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 2,826 sf)				OBL species 0 x 1 = 0
1				FACW species 2 x 2 = 4
2				FAC species $0 \times 3 = 0$
3				FACU species $5 \times 4 = 20$
4	0			
5	0			l •
6				Column Totals: 7 (A) 24 (B)
7	0			Prevalence Index = B/A = 3.429
(Dist. 2 - 70 F of)	0 =	= Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 78.5 sf)				Rapid Test for Hydrophytic Vegetation
1. Cyperus esculentus	2	✓	FACW	Dominance Test is > 50%
2. Abutilon theophrasti	5	✓	FACU	
3				Prevalence Index is ≤3.0 ¹
4				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
10		П		Tree Meady plants 2 in (7.0 and) as property diameter
11				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
12				at a react height (2211), regardless of height
12		Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 2,826 sf)		- Total Cover		greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2.	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cover		
				Hydrophytic
				Vegetation Present? Yes ○ No ●
				Present? 100 0 110 0
Remarks: (Include photo numbers here or on a separate she	et.)			
The plot occupied a crop field supporting corn seedlings & c				
field. However, considering the recent installation of drain ti vegetation under normal circumstances, i.e., in the absence		out this field,	this site v	would probably support predominantly non-hydrophytic
vegetation under normal circumstances, i.e., in the absence	or unage.			

 $[*] Indicator \ suffix = \ National \ status \ or \ professional \ decision \ assigned \ because \ Regional \ status \ not \ defined \ by \ FWS.$

	ofile Descr Depth	iption: (Des	scribe to Matrix	the depth	needed to d				nfirm the a	absence of indicators.)	
0-24 10YR 2/2 95 10YR 4/6 5 C PL Silk Loam PL Pore Lining, M=Matrix	(inches)	Color (%	Color (Loc2	Texture	Remarks
rpe: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains **Location:** PL=Pore Lining, M=Matrix **Indicators:** Indicators of Problematic Hydric Soils: 3 Histos (A1)	0-24									-	
ydric Soil Indicators: Histosol (A1)											
ydric Soil Indicators: Histosol (A1)			-			-					
ydric Soil Indicators: Histosol (A1)						-					
ydric Soil Indicators: Histosol (A1)											
ydric Soil Indicators: Histosol (A1)											
ydric Soil Indicators: Histosol (A1)											
ydric Soil Indicators: Histosol (A1)											
ydric Soil Indicators: Histosol (A1)											
ydric Soil Indicators: Histosol (A1)											
ydric Soil Indicators: Histosol (A1)											
ydric Soil Indicators: Histosol (A1)											
ydric Soil Indicators: Histosol (A1)											
Indicators for Problematic Hydric Soils: Histosol (A1)											
Indicators for Problematic Hydric Soils: Histosol (A1)											
Histosol (A1)			=Depletio	n. RM=Redu	ıced Matrix, (S=Cover	ed or Coat	ted Sand Gra	ains ² Loca	tion: PL=Pore Lining. M=M	atrix
Histic Epipedon (A2) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thin Dark Surface (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Fedox Dark Surface (F6) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. **Trictive Layer (if observed):** Type: Depth (inches): Thin Dark Surface (S7) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L, R) So cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L, R) Thin Dark Surface (S9) (LRR K, L, R) Polyvalue Below Surface (S9) (LRR K, L, R) Polyvalue Below Surface (S9) (LRR K, L, R) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9)										Indicators for Proble	ematic Hydric Soils: 3
Histic Epipedon (A2) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (A14) Thin Dark Surface (F7) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Polyvalue Surface (S9							w Surface	(S8) (LRR R	,	2 cm Muck (A10)	(LRR K, L, MLRA 149B)
Black Histic (A3) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) LRR K, L) Dark Surface (S7) (LRR K, L, M) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. **trictive Layer (if observed):** Type: Depth (inches): Hydric Soil Present? Yes No						•	are (SU) ((IDD D MIT	Λ 140R\	_	
Stratified Layers (A5)										5 cm Mucky Peat	or Peat (S3) (LRR K, L, R)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Dark Surface										Dark Surface (S7)	(LRR K, L, M)
Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (F7) Redox Depressions (F8) Redox Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR A, 149B) Mesic Spodic (TA6) (MLRA 149B) Redox Dark Surface (S7) (LRR A, 144A, 145, 149B) Redox Dark Surface (S7) (LRR A, 144A, 145, 149B) Redox Dark Surface (S9) Redox Dark Surface (SP) Re								()		Polyvalue Below S	urface (S8) (LRR K, L)
Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Type: Depth (inches): Hydric Soil Present? Yes No				11)						☐ Thin Dark Surface	(S9) (LRR K, L)
Sandy Fluck Miller at (31) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. trictive Layer (if observed): Type: Depth (inches): Type: Depth (inches): Type: Depth (inches): Type: Ty											
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. trictive Layer (if observed): Type: Depth (inches): Type: ype: Type: Type: Type: Type: Type: Type: Type: Type:								F7)		Piedmont Floodpla	ain Soils (F19) (MLRA 149B)
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.			54)		□ Redo	x Depress	SIOIIS (FO)				
Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. trictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes • No •											
ndicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	1									Very Shallow Dark	: Surface (TF12)
Type: Hydric Soil Present? Yes • No •	Dark Surf	ace (S7) (LRF	R R, MLRA	149B)						Other (Explain in F	Remarks)
Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes • No •	ndicators of	hydrophytic	vegetatio	n and wetla	nd hydrology	must be p	present, ui	nless disturt	ed or proble	ematic.	
Type:											
Depth (inches): Hydric Soil Present? Yes No O		ayer (ii obs	erveu).								
Depart (manes).		hoc):								Hydric Soil Present?	Yes No
marks:		iles)									
	:marks:										

Project/Site: Woodland Drive West	City/County: Waunakee, Dane Co.	Sampling Date: 11-May-22
Applicant/Owner: Lone Silo North Addition, LLC	State: Wisconsin Samp	ling Point: 12
Investigator(s): Scott Taylor	Section, Township, Range: S. 18	T. 8N R. 9E
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex, none): conca	ve Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K La	— — — — — — — — — — — — — — — — — — —	
Soil Map Unit Name: Wacousta silly clay loam (Wa)		ssification: E1Kf
Are climatic/hydrologic conditions on the site typical for this time	f year? Yes No (If no. explain	n in Remarks.)
	antly disturbed? Are "Normal Circumstance	, v. O N @
	y problematic? (If needed, explain any ar	·
Summary of Findings - Attach site map showin	(,,,,	-
Hydrophytic Vegetation Present? Yes ○ No •		
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes O No.	•
Wetland Hydrology Present? Yes No •	within a wedand:	
Remarks: (Explain alternative procedures here or in a separate n	port.)	
weather station within two weeks prior to the date of fieldwork was significantly disturbed, and normal recently.		
Hydrology		
Wetland Hydrology Indicators:	_Secondary Inc	licators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that app	y) Surface S	oil Cracks (B6)
Surface Water (A1) Water-Stained		Patterns (B10)
High Water Table (A2) Aquatic Fauna Aquatic Fauna	` _	n Lines (B16)
□ Saturation (A3) □ Water Marks (B1) □ Hydrogen Sulf □ Hydrogen Sulf	·	on Water Table (C2)
		Burrows (C8) n Visible on Aerial Imagery (C9)
		r Stressed Plants (D1)
		nic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Sur		quitard (D3)
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain		graphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	(10.110)	ral Test (D5)
Field Observations:		
Surface Water Present? Yes No Depth (inche	s): 0	
Water Table Present? Yes No Depth (inche		
Saturation Present? Ves No. • Depth (inches	Wetland Hydrology Present	? Yes ○ No ●
(includes capillary fittige)	<u> </u>	
Describe Recorded Data (stream gauge, monitoring well, aerial pl Air photos for 5 years between 2005 and 2021 with normal rainfa	• • • • • • • • • • • • • • • • • • • •	
Remarks:		
No hydrology indicators (except signatures on aerial imagery). The did not meet D2 since a subsurface drainage system (4 inch perfo		

(p) 2.026 -f	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 2,826 sf)	% Cover	Species?	Status	Number of Dominant Species
1				That are OBL, FACW, or FAC:0(A)
2				Total Number of Dominant
3	0			Species Across All Strata:0(B)
4	0			
5	0			Percent of dominant Species That Are OBL FACW or FAC: 0.0% (A/B)
6	0			That Are OBL, FACW, or FAC: 0.0% (A/B)
7	0			Prevalence Index worksheet:
(District 2 936 of	0 =	= Total Cove	•	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 2,826 sf)				OBL species 0 x 1 = 0
1				FACW species $0 \times 2 = 0$
2				FAC species 0 x 3 = 0
3	0			FACU species $0 \times 4 = 0$
4	0			l '
5				l ·
6	0	Ц		Column Totals: 0 (A) 0 (B)
7	0			Prevalence Index = B/A =0.000
(Dist. : 70 F of	0 =	= Total Cove	•	Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 78.5 sf)				Rapid Test for Hydrophytic Vegetation
1	0			Dominance Test is > 50%
2	0			
3				Prevalence Index is ≤3.0 ¹
4				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				Troblematic Tryatophytic regention (Explain)
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
10				
11				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
				at broadt Holght (BBH), regardleds of Holght.
12		 = Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 2,826 sf)		- Total Covel		greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2.	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine All woody vines greater than 2.29 ft in
4	0			Woody vine - All woody vines greater than 3.28 ft in height.
7.	0 =	= Total Cove		
		- 1000100101		
				Hydrophytic
				Vegetation Present? Yes ○ No ●
				Present? Yes O NO O
Remarks: (Include photo numbers here or on a separate she	et.)			
The plot occupied a crop field supporting corn seedlings & c				
field. However, considering the recent installation of drain ti vegetation under normal circumstances, i.e., in the absence		out this field	, this site v	vould probably support predominantly non-hydrophytic
vegetation under normal circumstances, i.e., in the absence	or unage.			

 $[*] Indicator \ suffix = \ National \ status \ or \ professional \ decision \ assigned \ because \ Regional \ status \ not \ defined \ by \ FWS.$

	ofile Descr Depth	iption: (Des	scribe to Matrix	the depth	needed to d				nfirm the a	absence of indicators.)	
0-24 10YR 2/2 95 10YR 4/6 5 C PL Silk Loam PL Pore Lining, M=Matrix	(inches)	Color (%	Color (Loc2	Texture	Remarks
rpe: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains **Location:** PL=Pore Lining, M=Matrix **Indicators:** Indicators of Problematic Hydric Soils: 3 Histos (A1)	0-24									-	
ydric Soil Indicators: Histosol (A1)											
ydric Soil Indicators: Histosol (A1)			-			-					
ydric Soil Indicators: Histosol (A1)						-					
ydric Soil Indicators: Histosol (A1)											
ydric Soil Indicators: Histosol (A1)											
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ydric Soil Indicators: Histosol (A1)											
Indicators for Problematic Hydric Soils: Histosol (A1)											
Indicators for Problematic Hydric Soils: Histosol (A1)											
Histosol (A1)			=Depletio	n. RM=Redu	ıced Matrix, (S=Cover	ed or Coat	ted Sand Gra	ains ² Loca	tion: PL=Pore Lining. M=M	atrix
Histic Epipedon (A2) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thin Dark Surface (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Fedox Dark Surface (F6) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. **Trictive Layer (if observed):** Type: Depth (inches): Thin Dark Surface (S7) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L, R) So cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L, R) Thin Dark Surface (S9) (LRR K, L, R) Polyvalue Below Surface (S9) (LRR K, L, R) Polyvalue Below Surface (S9) (LRR K, L, R) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9)										Indicators for Proble	ematic Hydric Soils: 3
Histic Epipedon (A2) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (A14) Thin Dark Surface (F7) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Polyvalue Surface (S9							w Surface	(S8) (LRR R	,	2 cm Muck (A10)	(LRR K, L, MLRA 149B)
Black Histic (A3) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) LRR K, L) Dark Surface (S7) (LRR K, L, M) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. **trictive Layer (if observed):** Type: Depth (inches): Hydric Soil Present? Yes No						•	are (SU) ((IDD D MIT	Λ 140R\	_	
Stratified Layers (A5)										5 cm Mucky Peat	or Peat (S3) (LRR K, L, R)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Dark Surface										Dark Surface (S7)	(LRR K, L, M)
Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (F7) Redox Depressions (F8) Redox Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR A, 149B) Mesic Spodic (TA6) (MLRA 149B) Redox Dark Surface (S7) (LRR A, 144A, 145, 149B) Redox Dark Surface (S7) (LRR A, 144A, 145, 149B) Redox Dark Surface (S9) Redox Dark Surface (SP) Re								()		Polyvalue Below S	urface (S8) (LRR K, L)
Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Type: Depth (inches): Hydric Soil Present? Yes No				11)						☐ Thin Dark Surface	(S9) (LRR K, L)
Sandy Fluck Miller at (31) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. trictive Layer (if observed): Type: Depth (inches): Type: Depth (inches): Type: Depth (inches): Type: Ty											
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. trictive Layer (if observed): Type: Depth (inches): Type: ype: Type: Type: Type: Type: Type: Type: Type: Type:								F7)		Piedmont Floodpla	ain Soils (F19) (MLRA 149B)
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.			54)		□ Redo	x Depress	SIOIIS (FO)				
Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. trictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes • No •											
ndicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	1									Very Shallow Dark	: Surface (TF12)
Type: Hydric Soil Present? Yes • No •	Dark Surf	ace (S7) (LRF	R R, MLRA	149B)						Other (Explain in F	Remarks)
Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes • No •	ndicators of	hydrophytic	vegetatio	n and wetla	nd hydrology	must be j	present, ui	nless disturt	ed or proble	ematic.	
Type:											
Depth (inches): Hydric Soil Present? Yes No O		ayer (ii obs	erveu).								
Depart (manes).		hoc):								Hydric Soil Present?	Yes No
marks:		iles)									
	:marks:										

Project/Site: Woodland Drive West	City/County: Wau	ınakee, Dane Co.	Sampling Date: 11-May-22
Applicant/Owner: Lone Silo North Addition, LLC		State: Wisconsin	Sampling Point: 13
Investigator(s): Scott Taylor	Section, Townsl	hip, Range: S. 18	т. 8N к. 9E
Landform (hillslope, terrace, etc.): Backslope		ve, convex, none):	concave Slope: 1.0 % / 0.6 °
Subregion (LRR or MLRA): LRR K	 at.: 43.17629	Long.: -89.	
Soil Map Unit Name: Plano silt loam (PnC2)	.5.2.52		WI classification: None
	of year? Yes •		
Are climatic/hydrologic conditions on the site typical for this time Are Vegetation , Soil , or Hydrology , signifi	or year.	(21 110)	explain in Remarks.) stances" present? Yes O No •
		Are "Normal Circum	processing processing and processing process
			any answers in Remarks.)
Summary of Findings - Attach site map showing	ig sampling point	locations, tra	nsects, important reatures, etc.
Hydrophytic Vegetation Present? Yes No No No No No No No No	Is the Sam	nled Area	
Hydric Soil Present? Yes No •	within a W		○ No •
Wetland Hydrology Present? Yes ○ No ●			
Using the Natural Resource Conservation Service weighted-mor moisture level should NORMAL (the moisture level was 11 on a weather station within two weeks prior to the date of fieldwork 0.02 inch. The vegetation was significantly disturbed, and norm recently.	scale of 6-18). Total predwas 0.8 inch. Total pred	ecipitation recorded cipitation recorded w	at the nearby Dane County Regional Airport vithin 3 days prior to the date of fieldwork was
Hydrology Wetland Hydrology Indicators:		_Second	ary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that app	oly)		rface Soil Cracks (B6)
	d Leaves (B9)	Dra	ainage Patterns (B10)
High Water Table (A2) Aquatic Faun.	` '		ss Trim Lines (B16)
Saturation (A3) Marl Deposits	•		y Season Water Table (C2)
	lfide Odor (C1)	=	ayfish Burrows (C8)
	cospheres along Living Roots	` ′ _	turation Visible on Aerial Imagery (C9)
	Reduced Iron (C4)		unted or Stressed Plants (D1) omorphic Position (D2)
Transport (RE)	Reduction in Tilled Soils (C6)		omorpnic Position (D2) allow Aguitard (D3)
I I I I I I I I I I I I I I I I I I I	` '		crotopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	n in Remarks)		C-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes No Depth (inch	es):		
Water Table Present? Yes O No O Depth (inch	es):		· · · ·
Saturation Present? (includes capillary fringe) Yes No Depth (includes Capillary fringe)		Vetland Hydrology P	resent? Yes O No 🖲
Describe Recorded Data (stream gauge, monitoring well, aerial p Air photos for 5 years between 2005 and 2021 with normal rains			
Pomarke:			
Remarks: No hydrology indicators. The plot occupied a broad shallow drain the site.	nage swale but the botto	om of the swale was	sloping enough to drain water away from

Tree Stratum Plot size: 2,826 sf
2.
3.
3. 0 Species Across All Strata: 1 (B) 4. 0 Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B) 7. 0 Prevalence Index worksheet: Total % Cover of: Multiply by: 0BL species 0 x 1 = 0 FACW species 0 x 2 = 0 5. 0 FACU species 0 x 4 = 0 4. 0 FACU species 0 x 5 = 0 6. 0 UPL species 0 x 5 = 0 Column Totals: 0 (A) 0 (B) Prevalence Index = B/A = 0.000 No Prevalence Index = B/A = 0.000 Dominance Test is > 50% Prevalence Index is ≤ 3.0 ¹ Dominance Test is > 50% Prevalence Index is ≤ 3.0 ¹ Dominance Test is > 50% Prevalence Index is ≤ 3.0 ¹ Dominance Test is > 50% Prevalence Index is ≤ 3.0 ¹ Dominance Test is > 50% Prevalence Index is ≤ 3.0 ¹ Dominance Test is > 50% Prevalence Index is ≤ 3.0 ¹ Prevalence Index is ≤ 3.0 ¹
Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
That Are OBL, FACW, or FAC: 0.0% (A/B)
6.
Sapling/Shrub Stratum (Plot size: 2,826 sf)
Sapling/Shrub Stratum
1.
1.
2.
3.
1
6. 0 Column Totals:
6. 0 Prevalence Index = B/A = 0.000 7. 0 Hydrophytic Vegetation Indicators: 1. 0 Rapid Test for Hydrophytic Vegetation Dominance Test is > 50% Prevalence Index is ≤3.0 ¹ 4. 0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 5. 0 Problematic Hydrophytic Vegetation ¹ (Explain)
Herb Stratum (Plot size: 78.5 sf)
Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
1
1
2
3
4
6
<u> </u>
7
8
9. Definitions of Vegetation Strata:
10 Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11
0 \square
Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 2,826 sf)
1 0 Herb - All herbaceous (non-woody) plants, regardless of
2 size, and woody plants less than 3.28 ft tall.
3 Woody vine - All woody vines greater than 3.28 ft in
4
0 = Total Cover
Hydrophytic
Vegetation Present? Yes ○ No ●
Remarks: (Include photo numbers here or on a separate sheet.)
The plot occupied a crop field supporting corn seedlings & open soil. Judging from the absence of wetland hydrology and hydric soil indicators, and the
well elevated landscape position, this site would probably support predominantly non-hydrophytic vegetation under normal circumstances, i.e., in the
absence of tillage.

 $[*] Indicator \ suffix = \ National \ status \ or \ professional \ decision \ assigned \ because \ Regional \ status \ not \ defined \ by \ FWS.$

Depth		Matrix			lox Features			
(inches)	Color (n	noist)	%	Color (moist)	%Type1	Loc²	Texture	Remarks
0-24	10YR	2/2	100				Silt Loam	
							-	
							-	
							-	
							-	
¹ Type: C=Cor	centration. D=	=Depletio	n. RM=Redu	iced Matrix, CS=Covered	d or Coated Sand Grai	ns ² Loca	ition: PL=Pore Lining. M=Ma	atrix
Hydric Soil	Indicators:						Indicators for Proble	ematic Hydric Soils: 3
Histosol ((A1)				Surface (S8) (LRR R,			LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)			MLRA 149B)				
☐ Black His	tic (A3)			Thin Dark Surface	ce (S9) (LRR R, MLRA	\ 149B)		x (A16) (LRR K, L, R)
	n Sulfide (A4)			Loamy Mucky M	lineral (F1) LRR K, L)			or Peat (S3) (LRR K, L, R)
	Layers (A5)			Loamy Gleyed N	latrix (F2)		☐ Dark Surface (S7)	
	Below Dark Si	urface (A	11)	Depleted Matrix	(F3)			urface (S8) (LRR K, L)
	rk Surface (A1		111)	Redox Dark Sur	face (F6)		Thin Dark Surface	
				Depleted Dark S			☐ Iron-Manganese M	asses (F12) (LRR K, L, R)
_	uck Mineral (S1			Redox Depression			Piedmont Floodpla	in Soils (F19) (MLRA 149B)
	eyed Matrix (S	4)		Redox Depressi	015 (10)		☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Re							Red Parent Materia	al (F21)
Stripped	Matrix (S6)						Very Shallow Dark	Surface (TF12)
☐ Dark Surf	face (S7) (LRR	R, MLRA	A 149B)				Other (Explain in R	
³ Indicators o	f hydronhytic y	vegetatio	n and wetlar	nd hydrology must be pr	resent unless disturbe	d or proble	` '	,
			a.i.a iii caa	.a, a. o.og,aoc bo p.	escent, amoss alstanse	р. оз. с		
	ayer (if obse	erved):						
Type:							Hydric Soil Present?	Yes ○ No •
Depth (inc	thes):						nyuric son Present?	res O No O
Remarks:								
No hydric inc	licators.							
ito ilyane ille	ileacoror							

	State: Wisconsin Sampling Point: 14
Landform (hillslope, terrace, etc.): Backslope Local relief	
Landform (hillslope, terrace, etc.): Backslope Local relief	n, Township, Range: S. 18 T. 8N R. 9E
	f (concave, convex, none): convex Slope: 2.0 % / 1.1 °
Subjection (Elect of Filest). LNN N	2.0 7 112
	03.17.0233
Soil Map Unit Name: Plano silt loam (PnB)	NWI classification: None
Are climatic/hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation $oldsymbol{arVert}$, Soil $oxdot$, or Hydrology $oxdot$ significantly disturbed	d? Are "Normal Circumstances" present? Yes O No 💿
Are Vegetation $\ \square$, Soil $\ \square$, or Hydrology $\ \square$ naturally problematic	? (If needed, explain any answers in Remarks.)
Summary of Findings - Attach site map showing sampling	point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No •	
Hydric Soil Present?	the Sampled Area ithin a Wetland? Yes O No •
Wetland Hydrology Present? Yes ○ No ●	
Using the Natural Resource Conservation Service weighted-month method, bas moisture level should NORMAL (the moisture level was 11 on a scale of 6-18). weather station within two weeks prior to the date of fieldwork was 0.8 inch. T 0.02 inch. The vegetation was significantly disturbed, and normal circumstance recently.	Total precipitation recorded at the nearby Dane County Regional Airport otal precipitation recorded within 3 days prior to the date of fieldwork was
Hydrology Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (minimum of 2 required) Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry Season Water Table (C2)
☐ Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres along Livers	iving Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Reduced Iron (C4)	
☐ Algal Mat or Crust (B4) ☐ Recent Iron Reduction in Tilled	Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Depth (inches):	
- Span (manas)	Wetland Hydrology Present? Yes ○ No •
Saturation Present? Yes No Depth (inches):	— House the sent of the sent o
(includes capillary ringe)	s inspections), if available:
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	www.notland.cignatures
	v wedand signatures.
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	wedand signatures.
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous Air photos for 5 years between 2005 and 2021 with normal rainfall did not show	

VEGETATION - OSE SCIENTIFIC Harries of pla	iits.			Sampling Point: 14
Tree Stratum (Plot size: 2,826 sf)	Absolute	0	Indicator	Dominance Test worksheet:
	% Cover	<u>Species:</u>	Status	Number of Dominant Species
1,				That are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4				
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
6	0			That Are ODE, FACW, OF FAC.
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 2,826 sf)	0	= Total Cover	•	Total % Cover of: Multiply by: OBL species x 1 =
1	0			FACW species $0 \times 2 = 0$
2				
3				FAC species $0 \times 3 = 0$
4				FACU species $0 \times 4 = 0$
5				UPL species $0 \times 5 = 0$
6				Column Totals: 0 (A) 0 (B)
7				Prevalence Index = B/A = 0.000
Herb Stratum (Plot size: 78.5 sf)	0	= Total Cover	•	Hydrophytic Vegetation Indicators:
				Rapid Test for Hydrophytic Vegetation
1				Dominance Test is > 50%
2				Prevalence Index is ≤3.0 ¹
3				Morphological Adaptations ¹ (Provide supporting
4				data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6				
7	0			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8				
9				Definitions of Vegetation Strata:
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				Carling/about Wasdands less than 2 in DDU and
Woody Vine Stratum (Plot size: 2,826 sf)		= Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2.	0			size, and woody plants less than 3.28 ft tall.
3	0			Manda view All was advision a great and born 2 20 ft in
Λ.	0			Woody vine - All woody vines greater than 3.28 ft in height.
-	0	= Total Cover		, and the second
				Hydrophytic Vegetation Present? Yes No No
Remarks: (Include photo numbers here or on a separate she The plot occupied a crop field supporting corn seedlings & owners well elevated landscape position, this site would probably so	open soil. J			
absence of tillage.	- PF	, , ,	.,	,

 $[*] Indicator \ suffix = \ National \ status \ or \ professional \ decision \ assigned \ because \ Regional \ status \ not \ defined \ by \ FWS.$

0-11 11-20	Color (moist 10YR 2/	:) %			
-	10YR 2/		Color (moist) % Type 1 Loc2	Texture	Remarks
11-20		2 100		Silt Loam	
	10YR 3/	4 100		Silt Loam	
				-	
					
	entration D-Donl	otion RM-Rode	uced Matrix, CS=Covered or Coated Sand Grains ² Loca	ation: DI - Doro Lining M-M	atrix
Type. C=Conce		euon. KM-Reu	-Local Matrix, C3—Covered of Coated Sand Grains -Local		ematic Hydric Soils: 3
Histosol (A			Polyvalue Below Surface (S8) (LRR R,		(LRR K, L, MLRA 149B)
Histic Epipe			MLRA 149B) This Dark Surface (SO) (LDD B. MLDA 140B)		x (A16) (LRR K, L, R)
Black Histic			☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)		or Peat (S3) (LRR K, L, R)
Hydrogen S			☐ Loamy Mucky Mineral (F1) LRR K, L) ☐ Loamy Gleyed Matrix (F2)	Dark Surface (S7)	(LRR K, L, M)
Stratified La			Depleted Matrix (F3)	Polyvalue Below S	urface (S8) (LRR K, L)
_	elow Dark Surface	e (A11)	Redox Dark Surface (F6)	☐ Thin Dark Surface	(S9) (LRR K, L)
_	Surface (A12)		Depleted Dark Surface (F7)	☐ Iron-Manganese N	lasses (F12) (LRR K, L, R)
_	k Mineral (S1)		Redox Depressions (F8)	Piedmont Floodpla	in Soils (F19) (MLRA 149B)
_	ed Matrix (S4)		E Redux Deplessions (Fo)	☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Redo				Red Parent Materi	al (F21)
Stripped Ma				☐ Very Shallow Dark	Surface (TF12)
Dark Surfac	ce (S7) (LRR R, M	LRA 149B)		Other (Explain in I	Remarks)
³ Indicators of I	nydrophytic veget	ation and wetla	nd hydrology must be present, unless disturbed or probl	ematic.	
	yer (if observed):			
Type: Depth (inche	əc):			Hydric Soil Present?	Yes ○ No •
Remarks:	<u></u>				
o hydric indic	rators				
o frydric fridic	ators.				

Project/Site: Woodland Drive West		City/County:	Waunakee, Dane (Co.	Sampling Date: 11-May-22	
Applicant/Owner: Lone Silo North Addition, LLC			State: Wis	consin Sampling	Point: 15	
Investigator(s): Scott Taylor		Section, To	wnship, Range:	 s. 18 т.	8N R. 9E	
Landform (hillslope, terrace, etc.): Backslop	e		ncave, convex, n	one): convex	Slope: 2.0 %	/ 11°
Subregion (LRR or MLRA): LRR K					Datum: NAD	
	Lat.:	43.17629	Long	-89.470233		0.5
Soil Map Unit Name: Griswold loam (GwD2)				NWI classi	Fication: None	
Are climatic/hydrologic conditions on the site	typical for this time of y	rear? Yes	; ● No ○	(If no, explain in	•	
Are Vegetation $lacksquare$, Soil $lacksquare$, or Hyd	rology 🗌 significant	tly disturbed?	Are "Normal	Circumstances"	$_{present?}$ Yes \bigcirc No $ullet$	
Are Vegetation $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	rology 🗌 naturally į	problematic?	(If needed, e	xplain any answ	ers in Remarks.)	
Summary of Findings - Attach si	te map showing s	sampling po	oint location	s, transects	, important features,	etc.
Hydrophytic Vegetation Present? Yes	No ●					
Hydric Soil Present? Yes	No 💿		Sampled Area a Wetland?	Yes O No G		
Wetland Hydrology Present? Yes	No 💿					
Remarks: (Explain alternative procedures h	ere or in a separate repo	ort.)				
Hydrology						
Wetland Hydrology Indicators:					ors (minimum of 2 required)	
Primary Indicators (minimum of one require				Surface Soil C	• •	
☐ Surface Water (A1) ☐ High Water Table (A2)	Water-Stained Lea	` '		☐ Drainage Patt	` '	
Saturation (A3)	Aquatic Fauna (B1 Marl Deposits (B1	•		Moss Trim Lir	nes (B16) Vater Table (C2)	
Water Marks (B1)	Hydrogen Sulfide	•		Crayfish Burro	` ,	
Sediment Deposits (B2)	Oxidized Rhizosph	,	Poots (C3)	_ ·	sible on Aerial Imagery (C9)	
Drift deposits (B3)	Presence of Reduce		ROOLS (CS)		ressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduc	` ,	: (C6)	Geomorphic I	• •	
Iron Deposits (B5)	☐ Thin Muck Surface		, (33)	Shallow Aquit	• •	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in I	• •		Microtopogra	phic Relief (D4)	
Sparsely Vegetated Concave Surface (B8)	Outer (Explain in)	remanoj		FAC-neutral 7		
Field Observations:						
Surface Water Present? Yes O No	Depth (inches):					
Water Table Present? Yes O No	Depth (inches):					
Saturation Present? (includes capillary frings) Yes No	Depth (inches):		Wetland Hydr	ology Present?	Yes ○ No •	
(includes capillary fringe) Describe Recorded Data (stream gauge, more Air photos for 5 years between 2005 and 20	nitoring well, aerial photo			able:		
Remarks:						
No hydrology indicators. The plot occupied a	well elevated area on s	loning ground				
No flydrology indicators. The plot occupied a	well elevated area off s	noping ground.				

VEGETATION - OSE SCIENCING Haines of pla	iii.			Sampling Point: 15
- 2 (Blot size: 2,826 sf	Absolute	0	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 2,826 sf	% Cover	. Species:	Status	Number of Dominant Species
1,				That are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata:1(B)
4				
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
6	0			That are OBL, FACW, or FAC.
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 2,826 sf)	0	= Total Cover	•	Total % Cover of: Multiply by:
1	0			OBL species 0 x 1 = 0
2		H		FACW species
3		H		FAC species $0 \times 3 = 0$
				FACU species $0 \times 4 = 0$
4				UPL species $0 \times 5 = 0$
5		П		Column Totals:0_ (A)0_ (B)
6 7				Prevalence Index = B/A = 0.000
	0	= Total Cover		, <u> </u>
Herb Stratum (Plot size: 78.5 sf)				Hydrophytic Vegetation Indicators:
1	0	П		Rapid Test for Hydrophytic Vegetation
2				Dominance Test is > 50%
3				Prevalence Index is ≤3.0 ¹
4				Morphological Adaptations ¹ (Provide supporting
5				data in Remarks or on a separate sheet)
				☐ Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7		H		be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 2,826 sf)	0	= Total Cover	•	greater than 3.28 ft (1m) tall
1	0_			Herb - All herbaceous (non-woody) plants, regardless of
2.	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
7.	0	= Total Cover		
				Hydrophytic
				Vegetation Present? Yes No No
				Present? Yes V NO V
Remarks: (Include photo numbers here or on a separate she	eet.)			
The plot occupied a crop field supporting corn seedlings & well elevated landscape position, this site would probably s				
absence of tillage.	apport pred	Johnnandy 110	ππιγαιομπ	yac vegetation under normal circumstances, i.e., in the

 $[*] Indicator \ suffix = \ National \ status \ or \ professional \ decision \ assigned \ because \ Regional \ status \ not \ defined \ by \ FWS.$

Depth (inches) 0-14		Matrix		Dod	ox Features					
0-14	Color (m		%	Color (moist)		Loc2	Texture	Remarks		
	10YR		.00				Silt Loam			
14-24	10YR		.00				Silt Loam			
17 27			-				- Silt Loain			
								*		
								-		
							-			
		Danistian I		and Matrix CC Covered		21+	ion: PL=Pore Lining. M=M			
		Depletion. F	M=Reduc	ed Matrix, CS=Covered	or Coated Sand Grai	is ²Locat		2		
lydric Soil I					C ((CO) (LDD D		Indicators for Probl	ematic Hydric Soils: ³		
☐ Histosol (/				MLRA 149B)	☐ Polyvalue Below Surface (S8) (LRR R,			2 cm Muck (A10) (LRR K, L, MLRA 149B)		
_	pedon (A2)				e (S9) (LRR R, MLRA	149B)	Coast Prairie Redo	x (A16) (LRR K, L, R)		
☐ Black Hist	Sulfide (A4)				neral (F1) LRR K, L)	- ,	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
_	Layers (A5)			Loamy Gleyed M			Dark Surface (S7)	(LRR K, L, M)		
	Layers (A5) Below Dark Sui	rfaco (A11)		Depleted Matrix				urface (S8) (LRR K, L)		
_	k Surface (A12)			Redox Dark Surf			Thin Dark Surface	(S9) (LRR K, L)		
_	ck Mineral (S1)			Depleted Dark S				Masses (F12) (LRR K, L, R)		
	eyed Matrix (S4			Redox Depression			Piedmont Floodplain Soils (F19) (MLRA 149B)			
Sandy Re		9					Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
_	Matrix (S6)						Red Parent Materi			
_	ace (S7) (LRR F	R MIRA 14	19R)				☐ Very Shallow Dark			
							Other (Explain in I	Remarks)		
Indicators of	hydrophytic ve	egetation a	nd wetland	d hydrology must be pro	sent, unless disturbe	d or proble	matic.			
estrictive La	ayer (if obser	ved):								
Type:								· · · ·		
/r	hes):						Hydric Soil Present?	Yes O No 💿		
Depth (incl										
Depth (incl										
Depth (inclemarks:	icators.									
Depth (inclemarks:	icators.									
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