

## **Wetland Delineation Report**



### **Maple Grove Drive Parcels**

### Town of Verona Dane County, Wisconsin

raSmith Project No. 1190974

**November 1, 2019** 

Prepared for: Sun Prairie Self Storage, LLC Jamie Lindau 321 Cheyenne Trail Madison, Wisconsin 53705



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November 1, 2019

#### 1.0 INTRODUCTION

raSmith is pleased to provide this Wetland Delineation Report for the Maple Grove Drive Parcels in the Town of Verona, Dane County, Wisconsin (Appendix 1, Figure 1) (Section 13, T6N, R8E). The delineation was completed at the request of Sun Prairie Self Storage, LLC.

The purpose of the wetland delineation was to identify the proximity and extent of wetlands within the Study Area (13.18 acres) for proposed site development. On September 17, 2019, Theran Stautz, PWS, and Matthew Stangel delineated six wetland features within the Study Area: five wet meadows (Wetland  $1 - 3,580.9 \text{ ft}^2$ , Wetland  $2 - 6,327.6 \text{ ft}^2$ , Wetland  $3 - 3,761.6 \text{ ft}^2$ , Wetland  $4 - 3,555.1 \text{ ft}^2$ , and Wetland 5 - 1.55 acres) and a forested stormwater basin (Wetland  $6 - 7,782.4 \text{ ft}^2$ ) (Appendix 1, Figure 2). The delineation is presented here in terms of qualifications, methodology, results, and conclusions.

#### 2.0 STATEMENT OF QUALIFICATIONS

raSmith provides wetland and ecological services including wetland delineation, assessment, permitting, and restoration. raSmith ecologists offer a wide variety of technical experience in the natural resource field and have successfully completed projects throughout the Midwestern and Northeastern United States.

Mr. Stautz was the technical lead and author on this delineation project. Theran has a B.S. degree in Natural Resources from the University of Wisconsin – Madison and over 15 years of ecological experience, including wetland delineation, monitoring, native habitat restoration and forestry. He is a Professional Wetland Scientist (PWS) with the Society of Wetland Scientists and a Wisconsin Department of Natural Resources (WDNR) Assured Wetland Delineator.

Mr. Stangel holds a B.A. degree in Geography as well as an M.S. in Freshwater Science and Technology from the University of Wisconsin – Milwaukee. He has over 6 years of professional experience in environmental science including wetland delineation, ecological restoration, natural area management, and environmental sampling and analysis.

#### 3.0 WETLAND DETERMINATION METHODOLOGY

The wetland delineation consisted of a review of available maps and information followed by a site visit on September 17, 2019, to document field conditions. The presence and absence of hydrophytic vegetation, wetland hydrology and hydric soil indicators were documented using methodology defined in the *US Army Corps of Engineers* (USACE) 1987 Wetland Delineation Manual, Regional Supplement to the 1987 Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (USACE ERDC, 2010) and Guidance for Submittal of Delineation Reports to the St. Paul District Army Corps of Engineers and the Wisconsin Department of Natural Resources (USACE St. Paul District, 2015). See References section for a complete list of guidance and sources utilized.

#### 3.1 VEGETATION

At the sampling points, herbaceous, shrub/sapling, tree and vine strata were measured using 5-foot, 15-foot, and 30-foot radius plots, respectively. When necessary, plot sizes were adjusted to fit the plant community represented. Percent cover was visually estimated within the plots, and dominant species were determined by applying the 50/20 Rule and/or Prevalence Index. *The National Wetland Plant List: 2016 wetland ratings* (Lichvar, et al., 2016) was used to determine the wetland indicator status of observed vegetation.



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#### 3.2 HYDROLOGY

The nearest available Natural Resource Conservation Service (NRCS) WETS Table and the National Oceanic and Atmospheric Administration (NOAA) National Weather Service (NWS) Advanced Hydrologic Prediction Service (AHPS) 90-day Percent of Normal Precipitation Map were analyzed to determine the antecedent hydrologic condition of the Study Area. Inundation, water table, and/or saturation were measured at the sampling points, if present. Soil pits were generally left open for at least one half hour to one hour prior to measurement to allow for the normalization of the water level, if any. Primary and secondary indicators of wetland hydrology were investigated and if present were noted on the data sheets.

#### 3.3 SOILS

At the sampling points, a soil pit was excavated to a depth of at least 20-24 inches, where possible. The color and texture of the soil matrix and associated mottling was recorded for each observed soil layer within the pit. The Munsell Soil Color Book was used to determine the color of observed moist soils. The soil was analyzed for hydric soil characteristics and, if met, hydric soil(s) was/were indicated on the data sheets.

#### 3.4 SOURCES REVIEWED

The United States Geological Survey (USGS) topographic map (Appendix 1, Figure 1), a two-foot contour map (Appendix 1, Figure 3), a Wisconsin Wetland Inventory and Water Resources map (Appendix 1, Figure 4), a NRCS soils map and table (Appendix 1, Figure 5 and Appendix 3), aerial photos from the years 2000, 2005, 2010, 2014 and 2017 (Appendix 1, Figures 6A-E), and a NOAA 90-day percent of normal precipitation map (Appendix 1, Figure 7) were reviewed prior to the wetland delineation in order to gain familiarity with the site's topography, wetland history, soils, and past land uses.

#### 3.5 SITE PHOTOGRAPHS

Photos taken of the upland and wetland plant communities are located in Appendix 4.

#### 4.0 RESULTS

#### 4.1 EXISTING ENVIRONMENTAL MAPPING

The topographic/site location map shows the Study Area is located north of STH 151 on Maple Grove Road on the northeast side of the Town of Verona. The contour map indicates elevations within the Study Area range from 958 feet to 972 feet. Wetlands 1-4 are located near the 970 foot contour. Wetland 5 is located near the 958 foot contour. Wetland 6 is located near the 964 foot contour.

The Wisconsin Wetland Inventory and Water Resources map indicates the presence of one mapped wetland within the Study Area: an emergent/wet meadow (E1K). An excavated pond is mapped adjacent to the Study Area, but the location is incorrect. There are no mapped wetspots or waterways within the Study Area.

The NRCS soil map shows four mapped soil types within the Study Area: Orion silt loam, wet (poorly drained); Troxel silt loam, 0-3% slopes (non-hydric); Plano silt loam, gravelly substratum, 2-6% slopes (non-hydric); and Dodge silt loam, 6-12% slopes, eroded (non-hydric). Orion silt loam is considered a wetland indicator soil.

Based on a review of aerial photographs from 1997-2017, the Study Area has changed significantly over this time. Previously an agricultural field, the site was taken off farming after the 2014 growing season. The stormwater basins along Maple Grove Drive were constructed between 2005 and 2010. The regional stormwater pond to the east of the Study Area was constructed between 2000 and 2005.



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#### 4.2 ANTECEDENT HYDROLOGIC CONDITION

Based on the WETS Analysis Worksheet in Appendix 3, precipitation was normal for the months of June - August, 2019. The NOAA AHPS precipitation map indicates the Study Area was within 125-150% of normal precipitation in the 90 days before the site visit, which is considered wetter than normal. According to the Daily Precipitation Table in Appendix 3, in the two weeks prior to conducting field work, 3.41 inches of precipitation was recorded. Based on local conditions, the hydrologic conditions were considered normal.

#### 4.3 FIELD INVESTIGATION

All areas containing wetland indicators on the maps and analysis mentioned were evaluated in the field on September 17, 2019. To the best of our knowledge, there was no prior wetland delineation or agency consultation for this Study Area. A total of seventeen sampling points were examined and six wetland features were delineated within the Study Area: five wet meadows (Wetland  $1 - 3,580.9 \, \text{ft}^2$ , Wetland  $2 - 6,327.6 \, \text{ft}^2$ , Wetland  $3 - 3,761.6 \, \text{ft}^2$ , Wetland  $4 - 3,555.1 \, \text{ft}^2$ , and Wetland  $5 - 1.55 \, \text{acres}$ ) and a forested stormwater basin (Wetland  $6 - 7,782.4 \, \text{ft}^2$ ). A Trimble Geo7X GPS unit with sub-meter accuracy was used to locate the wetland boundary and sampling points. Cursory sampling points in both upland and wetland areas were sampled in the field to determine the wetland boundaries. Data sheets were compiled and are included in Appendix 5.

#### 4.3.1 UPLANDS

The uplands within the Study Area are comprised predominately of meadow dominated by black walnut (*Juglans nigra*), showy bush honeysuckle (*Lonicera x bella*), eastern cottonwood (*Populus deltoides*), elderberry (*Sambucus nigra ssp. canadensis*), sandbar willow (*Salix interior*), Canadian goldenrod (*Solidago canadensis*), awl aster (*Symphyotrichum pilosum*), redtop (*Agrostis gigantea*), bird's-foot trefoil (*Lotus corniculatus*), reed canary grass (*Phalaris arundinacea*), and creeping-Charlie (*Glechoma hederacea*). The dominant trees are located along the boundary of Wetland 5 and within the upland stormwater basin. No hydric soil indicators or wetland hydrology indicators were present at any of the upland sampling points.

#### 4.3.2 WETLANDS

#### Wet Meadow (Wetland 1)

The wetland is a 3,580.9 ft<sup>2</sup> wet meadow. One sampling point (Point 1) was examined within the wetland. The wetland is not mapped by the WWI.

Hydrophytic vegetation was present within the wetland and was dominated by Dudley's rush (Juncus dudleyi).

The wetland occurs in a shallow depression that receives water from the surrounding landscape. Three primary (Surface Water, High Water Table and Saturation) and two secondary indicators of wetland hydrology (Geomorphic Position and FAC-Neutral Test) were observed in the wetland. 0.5 inch of standing water was present within the wetland. Hydrology appears to be perched above a layer of rock.

The wetland occurs in mapped Plano silt loam (non-hydric). Soil within the wetland met the Redox Dark Surface hydric soil indicator.

#### Wet Meadow (Wetland 2)

The wetland is a 6,327.6 ft<sup>2</sup> wet meadow. Two sampling points (Points 3 and 5) were examined within the wetland. The wetland is not mapped by the WWI.

Hydrophytic vegetation was present within wetland and was dominated by purple loosestrife (*Lythrum salicaria*), Dudley's rush and soft-stem bulrush (*Schoenoplectus tabernaemontani*).



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The wetland occurs in a shallow depression that receives water from the surrounding landscape. Three primary (Surface Water, High Water Table and Saturation) and three secondary indicators of wetland hydrology (Geomorphic Position, Microtopographic Relief and FAC-Neutral Test) were observed in the wetland. 0.5-3 inches of surface water was observed within the wetland. Hydrology appears to be perched above a layer of rock.

The wetland occurs in mapped Plano silt loam (non-hydric) and Orion silt loam (poorly drained). Soil within the wetland met the Depleted Matrix hydric soil indicator.

#### Wet Meadow (Wetland 3)

The wetland is a 3,761.6 ft<sup>2</sup> wet meadow. One sampling point (Point 7) was examined within the wetland. The wetland is not mapped by the WWI.

Hydrophytic vegetation was present within wetland and was dominated by sandbar willow and reed canary grass.

Three primary (Surface Water, High Water Table and Saturation) and three secondary indicators of wetland hydrology (Geomorphic Position, Microtopographic Relief and FAC-neutral Test) were observed in the wetland. One inch of surface water was observed within the wetland. Hydrology appears to be perched above a layer of rock.

The wetland occurs in mapped Orion silt loam (poorly drained). Soil within the wetland met the Depleted Matrix hydric soil indicator.

#### Wet Meadow (Wetland 4)

The wetland is a 3,555.1 ft<sup>2</sup> wet meadow. One sampling point (Point 9) was examined within the wetland. The wetland is not mapped by the WWI.

Hydrophytic vegetation was present within wetland and was dominated by reed canary grass.

Three primary (Surface Water, High Water Table and Saturation) and three secondary indicators of wetland hydrology (Geomorphic Position, Microtopographic Relief and FAC-neutral Test) were observed in the wetland. Two inches of surface water was observed within the wetland. Hydrology appears to be perched above a layer of rock

The wetland occurs in mapped Orion silt loam (poorly drained). Soil within the wetland met the Redox Dark Surface hydric soil indicator.

#### Wet Meadow (Wetland 5)

The wetland is a 1.55 acres wet meadow. Two sampling points (Points 12 and 14) were examined within the wetland. The wetland is mapped by the WWI as an emergent/wet meadow (E1K).

Hydrophytic vegetation was present within wetland and was dominated by eastern cottonwood, black willow (Salix nigra), and reed canary grass.

Three primary (Surface Water, High Water Table and Saturation) and three secondary indicators of wetland hydrology (Geomorphic Position, Microtopographic Relief and FAC-neutral Test) were observed in the wetland. Three to five inches of surface water was observed within the wetland. Hydrology appears to be perched above a layer of rock.



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The wetland occurs in mapped Orion silt loam (poorly drained). Soil within the wetland met the Depleted Below Dark Surface, Thick Dark Surface and Redox Dark Surface hydric soil indicators.

#### Forested Stormwater Basin (Wetland 6)

The wetland is a 7,782.4 ft<sup>2</sup> forested stormwater basin. One sampling point (Point 15) was examined within the wetland. The wetland is not mapped by the WWI.

Hydrophytic vegetation was present within wetland and was dominated by eastern cottonwood and reed canary grass.

Three primary (High Water Table, Saturation and Water-Stained Leaves) and two secondary indicators of wetland hydrology (Geomorphic Position and FAC-neutral Test) were observed in the wetland. Saturation was present at the soil surface, while water table was present at 11 inches below the surface.

The wetland occurs in mapped Orion silt loam (poorly drained), Plano silt loam (non-hydric), and Troxel silt loam (non-hydric). Soil within the wetland met the Depleted Matrix and Redox Dark Surface hydric soil indicators.

#### 4.3.3 OTHER AQUATIC FEATURES

No other aquatic features were identified within the Study Area.

#### 5.0 CONCLUSION

Based on the wetland delineation completed by raSmith, six wetland features were identified within the Study Area: five wet meadows (Wetland 1 - 3,580.9 ft<sup>2</sup>, Wetland 2 - 6,327.6 ft<sup>2</sup>, Wetland 3 - 3,761.6 ft<sup>2</sup>, Wetland 4 - 3,555.1 ft<sup>2</sup>, and Wetland 5 - 1.55 acres) and a forested stormwater basin (Wetland 6 - 7,782.4 ft<sup>2</sup>).

raSmith ecologists are required by the WDNR to provide their professional judgment on wetland susceptibility per revised NR 151 guidance (Guidance #3800-2015-02) (Appendix 6). It is our opinion that the susceptibility is *moderate* for Wetlands 1, 2 and 6, and *low* for Wetlands 3, 4 and 5.

Theran Stautz, lead delineator, is an Assured Delineator as explained on the WDNR web site, <a href="http://dnr.wi.gov/topic/wetlands/assurance.html">http://dnr.wi.gov/topic/wetlands/assurance.html</a>. The WDNR considers Mr. Stautz's wetland determination/delineation work to be "Assured" for purposes of Wisconsin waterway and wetland permits, such that Mr. Stautz's clients do not need to wait for concurrence letters from the WDNR before relying on such determinations and delineations and may expect that wetland issues should not be the cause of delays in state waterway and wetland permit decisions. Per communication with USACE staff, concurrence from the United States Army Corps of Engineers is not necessary unless the project is associated with a wetland fill permit application.

The wetland boundary staked in the field by raSmith is a professional finding based on accepted USACE and WDNR methodology at the time the wetlands were delineated. This wetland delineation field work and the report are not intended to meet the requirements of a WDNR Endangered Species Review, a navigability determination, or the location of either the Ordinary High Water Mark or floodplain.

Wetlands and waterways that are considered waters of the U.S. are subject to regulation under Section 404 of the Clean Water Act (CWA) and the jurisdictional regulatory authority lie with the USACE. Additionally, the WDNR has regulatory authority over wetlands, navigable waters, and adjacent lands under Chapters 30 and 281 Wisconsin State Statutes, and Wisconsin Administrative Codes NR 103, 299, 350, and 353. In addition, the USACE and WDNR have jurisdictional authority to determine which features are exempt including stormwater



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ponds and conveyance features. If the client proposes to modify an existing stormwater feature, an Artificial Determination Exemption would need to be submitted. See the form on the WDNR Wetland Identification website (fee involved), <a href="http://dnr.wi.gov/topic/wetlands/identification.html">http://dnr.wi.gov/topic/wetlands/identification.html</a>. Furthermore, municipalities, townships, and counties may have local zoning authority over certain areas or types of wetland and waterways. The determination that a wetland or waterway is subject to regulatory jurisdiction is made independently by the agencies.

Any activity in the delineated wetland may require U.S. Army Corps of Engineers permits and State of Wisconsin Department of Natural Resources Water Quality Certification and local government permits. If the Client proceeds to change, modify or utilize the property in question without obtaining authorization from the appropriate regulatory agency, it will be done at the Client's risk and raSmith shall not be responsible or liable for any resulting damages.



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#### 6.0 REFERENCES

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## <u>Appendices</u>

Appendix 1: Figures

Appendix 2: NRCS Soil Report - All Components

Appendix 3: WETS Table Analysis, NRCS WETS

Table & Daily Precipitation Table

Appendix 4: Site Photographs

Appendix 5: Wetland Determination Data Forms

- Northcentral/Northeast Regions

Appendix 6: NR 151 Susceptibility Table

## Appendix 1: Figures

Figure 1: Topographic/Site Location Map

Figure 2: Wetland Boundary Map

Figure 3: Contour Map

Figure 4: WWI and Water Resources Map

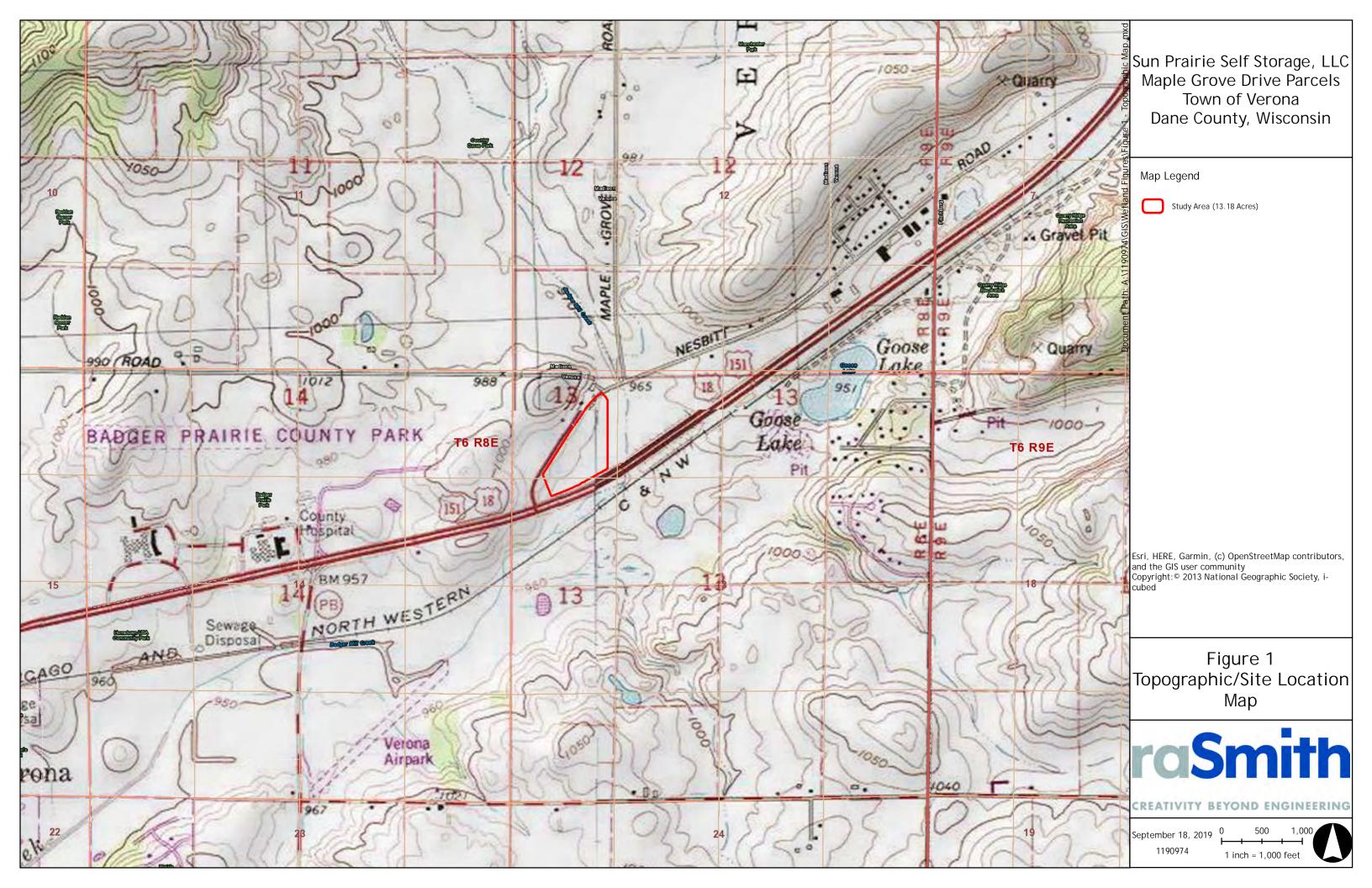
Figure 5: NRCS Soil Map

Figures 6A-E: Aerial Photographs (2000, 2005,

2010, 2014 & 2017)

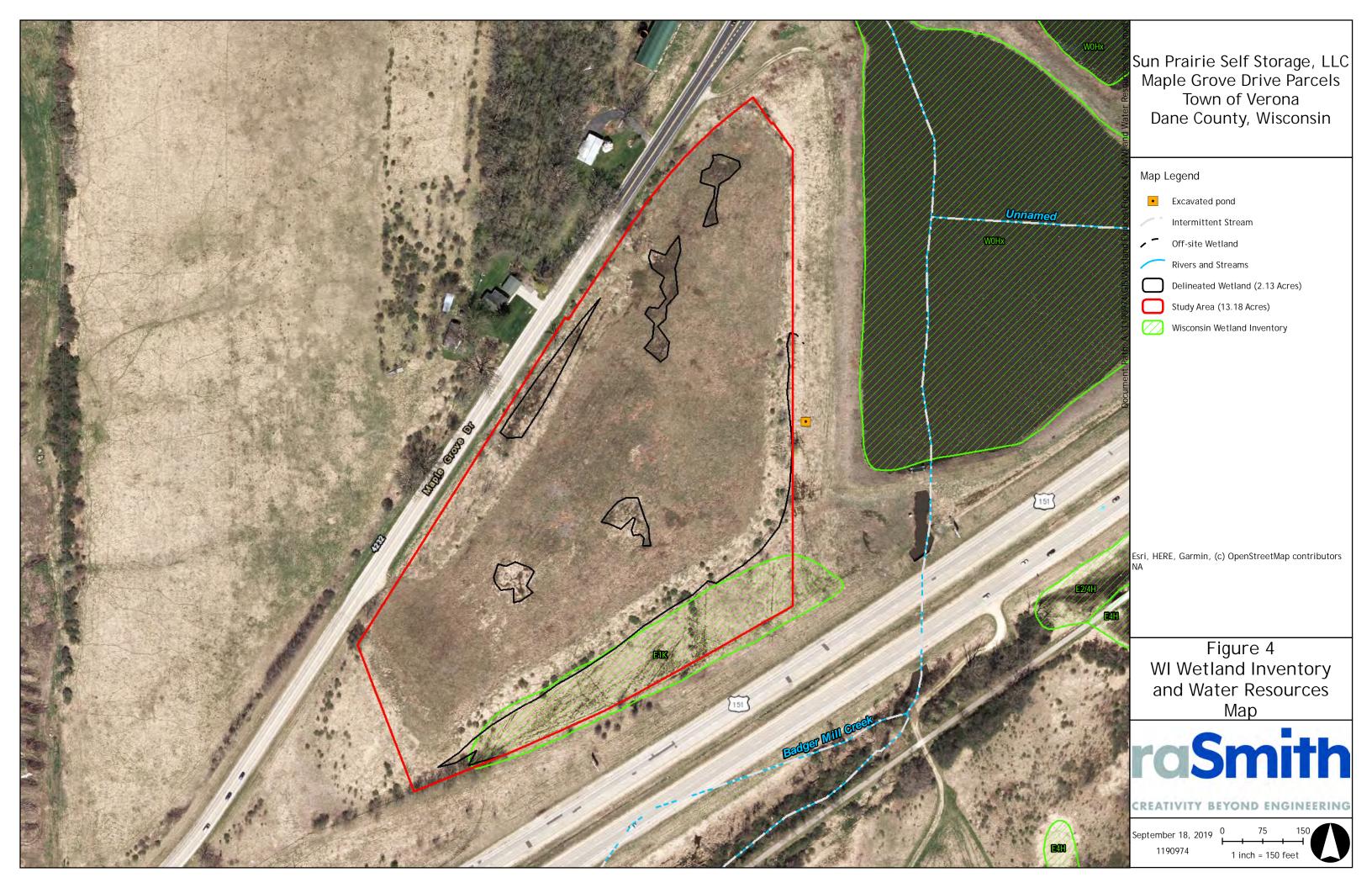
Figure 7: 90-day Percent of Normal

Precipitation Map





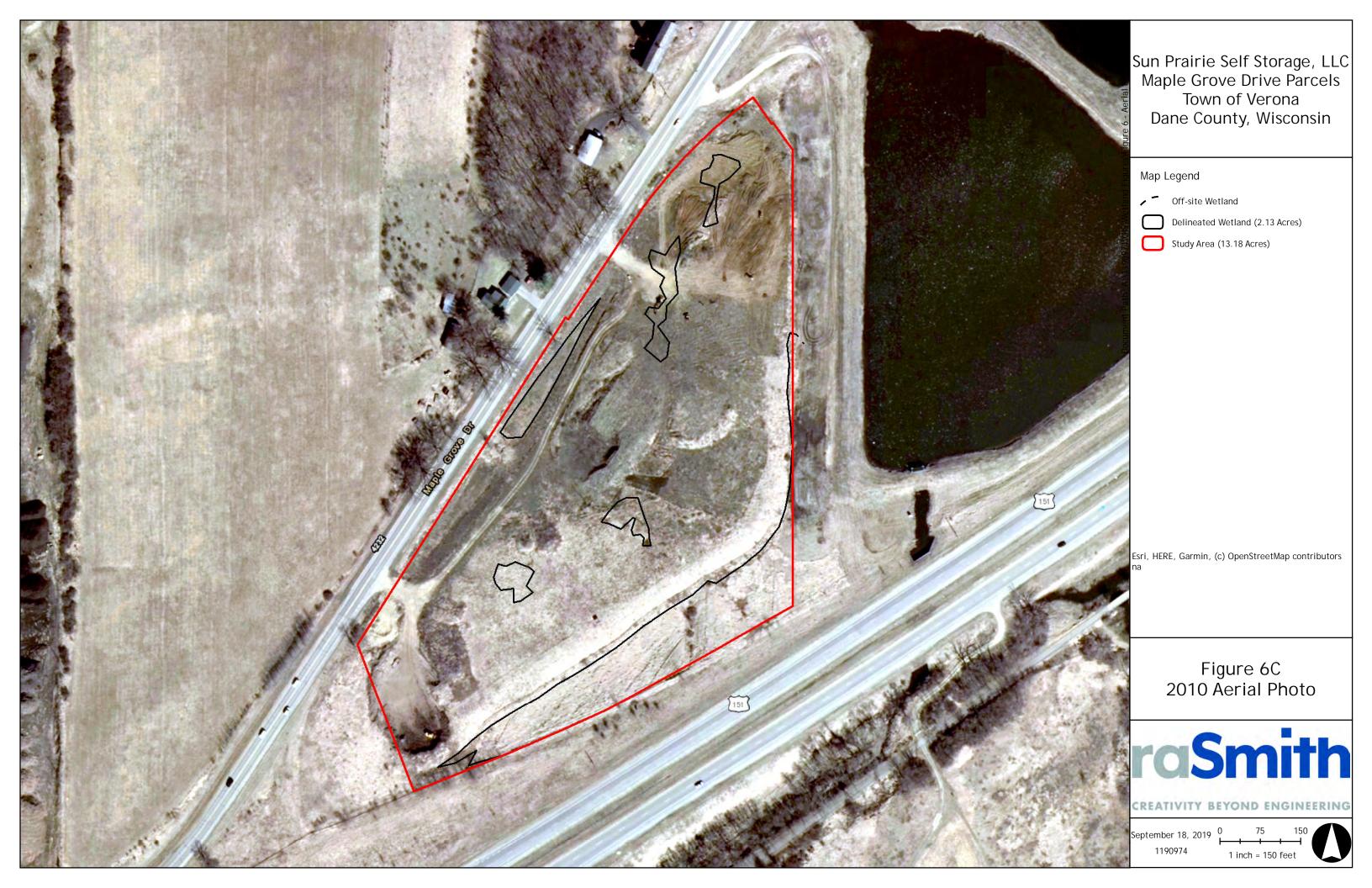






















Switch Basemap Lake wichigan Percent Reset View 600 400 Fond du Lac heboygan 300 200 \_150 125 110 \_100 vaukee \_90 \_75 \_50 acine \_25 Cenosha \_10 -5 Esri, HERE, Garmin, FAO, USGS, EPA, NPS

Milwaukee/Sullivan, WI: Last 90-Day Percent of Normal Precipitation Valid on: September 17, 2019 12:00 UTC

The Study Area falls within 125 - 150% of normal precipitation.

Sun Prairie Self Storage, LLC
Maple Grove Drive Parcels
Town of Verona
Dane County, Wisconsin

NOAA AHPS website

Figure 7 90 Day % Normal Precipitation Map



September 18, 2019



# Appendix 2:

NRCS Soil Report - All Components

### Report - Hydric Soil List - All Components

WI025-Dane County, Wisconsin

Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
DnC2: Dodge silt loam, 6 to 12 percent slopes, eroded	Dodge-Eroded	80-90	Drumlins	No	_
	St. Charles- Eroded	7-13	Till plains	No	_
	McHenry-Eroded	3-7	Moraines	No	_
Os: Orion silt loam, wet	Orion variant- Wet	100	Depressions on stream terraces, flood plains on stream terraces	Yes	2,3
	Otter		Flood plains	Yes	2,3
	Wacousta		Drainageways	Yes	2,3
	Sable		Drainageways	Yes	2,3
PoB: Plano silt loam, gravelly substratum, 2 to 6 percent slopes	Plano-Gravelly substratum	80-90	Outwash plains	No	_
	Warsaw	5-10	Outwash plains	No	_
	Plano- Moderately wet gravelly substratum	5-10	Outwash plains	No	_
TrB: Troxel silt loam, 0 to 3 percent slopes	Troxel-Wet substratum	80-90	Moraines, depressions	No	_
	Elburn	5-11	Drainageways	No	_
	Plano	5-9	Till plains	No	_

## Appendix 3:

WETS Table Analysis, NRCS WETS Table & Daily Precipitation Table

### **WETS Analysis Worksheet**

Project Name: Maple Grove Drive

Project Number: 1190974

Period of interest: June - August, 2019

County: Dane

Long-term rainfall records (from WETS table)

Long	term rannar	riccoras (iroin	WEIG tab	10)
		3 years in 10		3 years in 10
	Month	less than	Normal	greater than
1st month prior:	August	2.67	4.34	5.25
2nd month prior:	July	3.14	4.26	5.00
3rd month prior:	June	2.99	5.05	6.13
	_	Sum =	13.65	

\*Normal precipitation with 30% to 70% probability of occurrence

\*\*Condition value: \*\*\*If sum is:

Dry = 6 to 9 then period has been drier than normal

Normal = 2then period has been normal 10 to 14

then period has been wetter than normal Wet = 15 to 18

WETS Table: Madison Dane County Regional AP, WI Precipitation data source:

Donald E.Woodward, ed. 1997. Hydrology Tools for Wetland Determination, Chapter 19. Engineering Field Handbook. U.S. Department of Agriculture, Reference:

Natural Resources Conservation Service, Fort Worth, TX.

#### Site determination

		Site u	leteriiiilation		
	Site	Condition	Condition**	Month	
	Rainfall (in)	Dry/Normal*/Wet	Value	Weight	Product
	2.85	Normal	2	3	6
	5.77	Wet	3	2	6
	5.16	Normal	2	1	2
Sum =	13.78			Sum*** =	14

Determination:

Wet Normal Dry

WETO OLI ' MADIOON													
WETS Station: MADISON DANE COUNTY REGIONAL AP, WI													
Requested years: 1988 - 2018													
Month	Avg Max Temp	Avg Min Temp	Avg Mean Temp	Avg Precip	30% chance precip less than	30% chance precip more than	Avg number days precip 0. 10 or more	Avg Snowfall					
Jan	27.7	11.9	19.8	1.41	0.96	1.68	4	12.9					
Feb	31.3	14.5	22.9	1.41	0.82	1.72	4	11.8					
Mar	44.0	25.0	34.5	2.27	1.34	2.76	5	6.8					
Apr	57.4	35.7	46.5	3.69	2.83	4.28	7	2.5					
May	69.5	46.9	58.2	3.85	2.49	4.64	7	0.2					
Jun	79.0	57.1	68.1	5.05	2.99	6.13	8	0.0					
Jul	82.4	61.3	71.8	4.26	3.14	5.00	6	0.0					
Aug	80.4	59.5	70.0	4.34	2.67	5.25	6	0.0					
Sep	73.3	50.7	62.0	3.18	1.99	3.84	5	0.0					
Oct	60.1	39.5	49.8	2.56	1.66	3.08	5	0.4					
Nov	45.3	28.6	37.0	2.20	1.36	2.66	5	3.0					
Dec	32.0	17.3	24.6	1.66	1.02	2.01	4	12.2					
Annual:					31.92	39.18							
Average	56.9	37.3	47.1	-	-	-	-	-					
Total	-	-	-	35.88			69	49.8					
GROWING SEASON DATES													
Years with missing data:	24 deg = 0	28 deg = 0	32 deg = 0										
Years with no occurrence:	24 deg = 0	28 deg = 0	32 deg = 0										
Data years used:	24 deg = 31	28 deg = 31	32 deg = 31										
Probability	24 F or higher	28 F or higher	32 F or higher										
50 percent *	4/6 to 10/30: 207 days	4/20 to 10/15: 178 days	5/5 to 10/7: 155 days										
70 percent *	4/2 to 11/4: 216 days	4/15 to 10/20: 188 days	5/2 to 10/11: 162 days										
* Percent chance of the growing season occurring between the Beginning and Ending dates.													
STATS TABLE - total precipitation (inches)													
Yr	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Anr
1939								-	-	1. 67	0. 24	0. 29	2.2
1940	0.91	0.76	1.07	2.40	2.70	5.04	2.88	6.76	0.81	2. 39	2. 49	1. 21	29 42
1941	2.72	0.78	1.82	1.93	3.03	3.42	2.93	1.29	9.87	2. 86	0. 93	1. 29	32 87
1942	1.16	0.50	1.46	0.81	4.49	4.26	3.58	4.14	3.43	2. 44	3. 27	2. 55	32 09
1943	2.15	0.76	2.48	0.99	2.88	2.33	1.54	2.31	0.37	0. 83	3. 15	0. 99	20 78
1944	1.40	1.69	2.46	3.74	2.33	3.42	2.77	1.54	3.05	0. 29	1. 54	1. 14	25 37
1945	0.31	1.40	1.40	2.89	5.27	2.81	2.65	4.07	6.27	0. 78	2. 34	1. 47	31 66
1946	1.97	0.88	2.88	0.94	2.14	2.81	0.95	1.63	1.28	1. 79	2. 08	1. 54	20. 89

1947														
1949	1947	2.26	0.29	1.73	3.68	4.35	3.98	2.17	1.58	6.03				
1950   2-43   1.65   2-34   2-67   3.42   0.26   0.29   2.09   1.09   1.1   1.3   38   1.65   2-34   2-67   3.42   3.00   2-55   3.08	1948	0.49	2.13	2.85	2.97	2.90	2.55	2.55	0.70	1.87				
1951	1949	1.97	1.26	2.35	1.10	2.22	6.43	5.76	2.20	1.12				
1952   221   0.60   2.92   1.21   3.18   4.08   7.60   4.73   0.49   0.2   1.7   6.7   6.0     1953   0.64   2.77   2.58   3.12   1.02   5.15   4.28   3.49   2.11   0.1   0.2   2.   1.3     1954   0.76   0.63   1.19   4.09   2.98   7.36   5.73   2.78   3.82   0.1   1.0   0.7     1955   0.66   1.67   0.96   3.65   2.10   2.78   3.93   1.55   0.80   3.   0.   1.   0.   0.     1966   0.43   1.00   2.53   3.54   5.11   3.24   4.50   5.64   1.42   0.7   0.1     1957   0.41   0.38   1.19   2.40   5.80   6.41   4.00   4.86   0.8   2.   0.   1.   0.   0.     1958   0.52   0.08   0.38   2.73   3.39   2.16   1.69   2.06   2.44   2.42   2.0   0.44   0.24   2.2   0.2     1959   1.40   1.38   2.90   4.01   3.06   3.86   4.12   5.68   3.44   5.2   2.2   4.01     1960   2.19   1.14   1.93   4.02   6.26   2.09   6.04   6.18   3.90   3.2   4.7   5.7     1961   0.19   1.01   3.42   1.33   1.17   1.84   3.67   1.78   7.92   1.3   1.   0.   0.     1962   1.12   1.39   1.73   1.43   3.01   2.09   4.39   2.04   1.31   1. 0   0.   0.     1963   0.76   0.39   2.23   1.67   1.86   2.31   3.30   6.7   2.2   1.   1.   0.   0.     1964   0.93   0.26   2.12   3.15   3.87   2.28   4.28   2.52   1.85   0.   0.   0.   0.   0.     1965   1.60   0.70   0.70   0.70   0.70   0.70   0.70   0.   0.	1950	2.43	1.65	2.34	2.67	3.43	6.24	10.93	2.69	2.09				
1962	1951	1.44	1.70	2.13	4.42	3.00	2.55	3.08	3.08	1.56				
1953	1952	2.21	0.60	2.92	1.21	3.18	4.08	7.60	4.73	0.49				31.
1954	1953	0.64	2.77	2.58	3.12	1.02	5.15	4.28	3.49	2.11				29.
1955	1954	0.76	0.63	1.19	4.09	2.98	7.36	5.73	2.78	3.82	3.	0.	1.	35.
1956	1955	0.65	1.67	0.96	3.65	2.10	2.78	3.93	1.55	0.80	3.	0.	0.	22.
1957	1956	0.43	1.00	2.53	3.54	5.11	3.24	4.50	5.64	1.42			1.	31.
1958	1957	0.41	0.38	1.19	2.40	5.80	6.41	4.00	4.86	0.95	2.	2.	1.	32.
1969	1958	0.52	0.08	0.38	2.73	3.93	2.16	1.69	2.06	2.44	2.	2.	0.	21.
1960	1959	1.40	1.58	2.90	4.01	3.06	3.86	4.12	5.68	3.44	5.	2.	2.	40.
1961	1960	2.19	1.14	1.93	4.02	6.26	2.09	6.04	6.18	3.90	3.	1.	0.	38.
1962	1961	0.19	1.01	3.42	1.33	1.17	1.84	3.67	1.78	7.92	3.	3.	1.	31.
1963	1962	1.12	1.39	1.73	1.43	3.01	2.09	4.39	2.04	1.31	1.	0.	0.	21.
1964	1963	0.76	0.39	2.33	1.67	1.82	8.15	2.29	3.23	2.30	0.	1.	0.	26.
1965	1964	0.93	0.26	2.12	3.15	3.87	2.28	4.28	2.52	1.85			0.	23.
1966	1965	1.80	0.74	2.51	2.94	1.86	2.31	3.30	6.77	9.22			2.	37.
1967	1966	1.07	1.36	2.11	1.54	4.31	2.91	3.24	3.83	0.51				
1969	1967	1.63	1.17	1.49	2.57	3.53	6.46	2.51	2.71	2.68				33. 99
1970	1968	0.56	0.49	0.59	4.18	2.02	7.82	2.54	2.58	4.45				
1970	1969	2.26	0.18	1.47	2.72	3.45	7.96	4.28	0.96	1.35				
1972	1970	0.44	0.16	1.17	2.53	6.09	2.26	2.42	0.97	8.82				30.
1972       0.40       0.42       2.23       2.02       2.83       1.65       3.49       7.47       5.26       2.       0.       1.       30.         1973       1.54       1.20       5.04       7.11       5.27       0.81       2.68       2.53       3.59       2.       1.       1.       35.         1974       2.45       1.17       3.43       4.24       5.77       3.86       2.69       4.60       1.08       3.       1.       1.       36.         1975       0.98       1.54       3.09       4.19       4.57       4.30       6.05       5.25       0.84       0.       2.       0.       34.         1976       0.56       1.72       4.75       4.80       1.95       1.38       1.46       1.99       0.50       1.       0.       0.       2.1         1977       0.53       1.44       3.03       2.59       2.52       2.63       6.63       5.19       2.84       1.       2.       1.       32.         1978       1.03       0.24       0.28       3.50       3.96       9.95       4.54       1.63       5.44       1.       3.       1.       2.	1971	1.48	2.59	1.52	2.42	0.98	2.27	1.65	3.96	1.87				
1974   2.45   1.17   3.43   4.24   5.77   3.86   2.69   4.60   1.08   3.   1.   1.   36.     1975   0.98   1.54   3.09   4.19   4.57   4.30   6.05   5.25   0.84   0.   2.   0.   34.     1976   0.56   1.72   4.75   4.80   1.95   1.38   1.46   1.99   0.50   1.   0.   0.     1977   0.53   1.44   3.03   2.59   2.52   2.63   6.63   5.19   2.84   1.   2.   1.   32.     1978   1.03   0.24   0.28   3.50   3.96   9.95   4.54   1.63   5.44   1.   3.   3.   1.   36.     1979   1.69   0.90   2.67   2.46   2.70   2.53   2.80   4.96   0.11   3.   2.   1.   28.     1980   1.11   0.64   0.68   2.36   2.08   3.43   2.67   9.49   7.84   1.   1.   1.   3.4	1972	0.40	0.42	2.23	2.02	2.83	1.65	3.49	7.47	5.26				30.
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1973	1.54	1.20	5.04	7.11	5.27	0.81	2.68	2.53	3.59				
1976	1974	2.45	1.17	3.43	4.24	5.77	3.86	2.69	4.60	1.08				36.
1976       0.56       1.72       4.75       4.80       1.95       1.38       1.46       1.99       0.50       1.       0.       0.       21.         1977       0.53       1.44       3.03       2.59       2.52       2.63       6.63       5.19       2.84       1.       2.       1.       32.         1978       1.03       0.24       0.28       3.50       3.96       9.95       4.54       1.63       5.44       1.       3.       1.       36.         1979       1.69       0.90       2.67       2.46       2.70       2.53       2.80       4.96       0.11       3.       2.       1.       28.         1980       1.11       0.64       0.68       2.36       2.08       3.43       2.67       9.49       7.84       1.       1.       1.       1.       3.4	1975	0.98	1.54	3.09	4.19	4.57	4.30	6.05	5.25	0.84		2.	0.	34.
1977     0.53     1.44     3.03     2.59     2.52     2.63     6.63     5.19     2.84     1.     2.     1.     32.       1978     1.03     0.24     0.28     3.50     3.96     9.95     4.54     1.63     5.44     1.     3.     1.     36.       1979     1.69     0.90     2.67     2.46     2.70     2.53     2.80     4.96     0.11     3.     2.     1.     28.       1980     1.11     0.64     0.68     2.36     2.08     3.43     2.67     9.49     7.84     1.     1.     1.     3.	1976	0.56	1.72	4.75	4.80	1.95	1.38	1.46	1.99	0.50	1.	0.	0.	21.
1978     1.03     0.24     0.28     3.50     3.96     9.95     4.54     1.63     5.44     1.     3.     1.     36.       1979     1.69     0.90     2.67     2.46     2.70     2.53     2.80     4.96     0.11     3.     2.     1.     28.       1980     1.11     0.64     0.68     2.36     2.08     3.43     2.67     9.49     7.84     1.     1.     1.     34.	1977	0.53	1.44	3.03	2.59	2.52	2.63	6.63	5.19	2.84	1.	2.	1.	32.
1979     1.69     0.90     2.67     2.46     2.70     2.53     2.80     4.96     0.11     3.     2.     1.     28.       1980     1.11     0.64     0.68     2.36     2.08     3.43     2.67     9.49     7.84     1.     1.     1.     3.43	1978	1.03	0.24	0.28	3.50	3.96	9.95	4.54	1.63	5.44	1.	3.	1.	36.
1980 1.11 0.64 0.68 2.36 2.08 3.43 2.67 9.49 7.84 1. 1. 1. 34.	1979	1.69	0.90	2.67	2.46	2.70	2.53	2.80	4.96	0.11	3.	2.	1.	28.
	1980	1.11	0.64	0.68	2.36	2.08	3.43	2.67	9.49	7.84	1.	1.	1.	34.

1981														
1988	1981	0.14	2.47	0.33	3.42	0.64	4.99	4.81	7.06	3.10				32. 10
1984   0.36	1982	1.42	0.17	2.11	3.26	4.34	3.40	3.47	2.67	1.42				
1985	1983	0.53	2.26	2.70	2.23	4.21	1.85	1.92	5.05	2.85				
1986   1.02   2.72   1.58   2.73   1.97   3.24   4.31   4.38   6.82   1.3   0.9   6.4     1987   0.68   0.62   1.99   2.46   3.90   1.17   3.26   2.44   2.55   3.6   3.1   3.0   4.2     1988   1.82   0.46   1.20   2.65   0.92   2.66   2.44   2.59   3.8   3.8   0.8   0.5   0.5   0.5     1989   0.61   0.57   1.69   1.69   1.72   1.67   4.97   4.66   6.08   1.8   0.8   0.5   0.5   0.5     1990   0.61   0.57   1.69   1.69   1.72   1.67   4.97   4.66   6.03   1.67   2.5   0.5   0.5   0.5     1991   1.17   0.44   4.24   4.89   2.20   3.75   5.18   2.24   3.96   5.7   0.5   0.5   0.5   0.5     1992   0.78   1.34   1.90   3.17   1.12   1.53   5.54   2.48   5.99   0.6   0.8   3.   0.5   0.5     1993   1.60   1.18   3.29   5.33   3.81   6.67   9.34   5.57   3.7   0.6   0.8   0.5   0.5   0.5     1994   1.46   2.76   0.46   2.57   1.33   5.66   4.10   4.56   6.14   0.5   0.5   0.5     1995   2.12   0.06   2.17   4.14   3.92   1.22   4.36   5.50   1.76   4.9   1.7   7.7   0.5     1996   2.53   0.53   0.82   2.76   2.95   9.69   4.08   1.84   1.07   3.1   1.0   1.7   7.7   0.5     1997   1.24   2.52   1.54   2.50   1.94   5.23   6.23   2.33   1.8   1.5   1.7   7.7   7.8     1999   2.10   0.91   0.47   6.91   3.72   5.57   4.49   3.96   5.50   7.6   5.5   0.5   0.5   0.5     1999   2.10   0.91   0.47   6.91   3.72   5.57   4.49   3.96   5.50   7.6   5.5   0.5	1984	0.36	1.26	1.15	3.86	3.32	7.01	1.96	1.89	2.79				33. 72
1986	1985	1.43	1.89	3.13	1.52	3.35	3.06	4.48	2.98	5.00				
1987	1986	1.02	2.72	1.55	2.27	1.97	3.24	4.31	4.38	6.82				31.
1988	1987	0.68	0.62	1.99	2.46	3.90	1.17	3.26	7.16	3.61				33.
1989	1988	1.82	0.46	1.20	2.65	0.92	2.06	2.44	2.95	3.33	1.		1.	24.
1990	1989	0.61	0.57	1.69	1.69	1.72	1.67	4.97	6.46	0.89	1.	0.	0.	23.
1991	1990	1.60	0.99	4.18	1.90	5.35	4.88	2.61	6.03	1.64			3.	36.
1992	1991	1.17	0.44	4.24	4.89	2.20	3.75	5.18	2.34	3.96	5.	3.	1.	39.
1993	1992	0.78	1.34	1.90	3.17	1.12	1.53	5.54	2.48	5.99	1.	4.	2.	32.
1994	1993	1.60	1.18	3.29	5.33	3.81	6.67	9.34	5.57	3.74	0.	1.	0.	43.
1995	1994	1.46	2.76	0.46	2.57	1.33	5.66	4.10	4.56	6.14	0.	2.	1.	33.
1996	1995	2.12	0.06	2.17	4.14	3.92	1.22	4.36	5.58	1.78	4.	3.	0.	33.
1997	1996	2.53	0.53	0.82	2.76	2.95	9.69	4.08	1.84	1.07	3.	1.	1.	31.
1998	1997	1.24	2.52	1.54	2.50	1.94	5.23	6.23	2.33	1.38	1.	1.	1.	28.
1999	1998	2.24	1.44	5.46	4.10	4.58	7.46	2.50	4.24	2.48	3.	1.	0.	39.
2000   0.91   1.95   1.17   3.18   9.63   8.63   3.27   3.94   3.59   0.   2.   1.   40.	1999	2.10	0.91	0.47	6.91	3.72	5.57	4.49	3.26	1.55	0.	1.	0.	31.
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2000	0.91	1.95	1.17	3.18	9.63	8.63	3.27	3.94	3.59				40.
2003	2001	0.99	2.64	0.59	3.07	4.16	5.40	3.09	7.64	5.53				
2004	2002	0.63	2.17	1.70	3.45	2.92	3.70	2.06	3.04	2.74				
2005	2003	0.36	0.50	1.72	2.95	3.67	2.10	4.24	0.87	4.24				
2006       1.96       0.81       2.34       5.04       4.61       2.29       4.45       5.43       3.33       2. 2. 1. 36. 73         2007       0.84       1.59       3.39       4.68       1.40       4.82       2.69       15.18       2.45       3. 0. 3. 44. 35 39 63 41         2008       2.17       3.30       2.47       6.43       2.55       10.93       5.62       1.41       2.23       2. 1. 3. 44. 34         2009       0.54       1.91       6.19       4.43       3.68       4.17       1.94       2.49       4.68       3. 1. 3. 38. 80 32       20 35         2010       0.88       1.02       0.71       3.65       3.79       8.38       7.98       3.92       2.65       2. 1. 3. 45. 30. 69       36       49       86         2011       1.28       1.59       2.96       3.61       2.40       3.55       1.85       3.06       3.31       1. 3. 2. 30. 30. 69       49       86         2012       1.40       1.03       2.61       2.85       3.19       0.31       4.00       1.58       1.33       4. 0. 2. 26. 66       90       60       36         2013       2.87       2.41       2.41 <t< td=""><td>2004</td><td>0.62</td><td>1.44</td><td>3.61</td><td>1.76</td><td>10.84</td><td>3.93</td><td>6.05</td><td>3.96</td><td>1.00</td><td></td><td></td><td></td><td>39.</td></t<>	2004	0.62	1.44	3.61	1.76	10.84	3.93	6.05	3.96	1.00				39.
2006       1.96       0.81       2.34       5.04       4.61       2.29       4.45       5.43       3.33       2. 2. 1. 36. 73         2007       0.84       1.59       3.39       4.68       1.40       4.82       2.69       15.18       2.45       3. 0. 35 39 63 41         2008       2.17       3.30       2.47       6.43       2.55       10.93       5.62       1.41       2.23       2. 1. 3. 44. 20       4.6 29 06         2009       0.54       1.91       6.19       4.43       3.68       4.17       1.94       2.49       4.68 3. 3. 3. 38 80 32 20 35       35       30 32 20 35       35       30 09 49 86       3.5       30 09 49 86       3.5       3.79       8.38       7.98       3.92       2.65       2. 1. 1. 3. 44. 37       3.7       30 09 49 86       3.61       2.40       3.55       1.85       3.06       3.31       1. 3. 2. 30. 35 54       3.5       35       35       35       35       35       35       35       35       35       35       35       35       35       35       35       32       36       32       36       32       30       32       30       32       30       32       32       32	2005	2.20	1.45	1.56	1.68	3.96	1.65	3.92	1.22	1.95				
2007       0.84       1.59       3.39       4.68       1.40       4.82       2.69       15.18       2.45       3. 0. 3. 44. 35       39 63 41         2008       2.17       3.30       2.47       6.43       2.55       10.93       5.62       1.41       2.23       2. 1. 3. 44. 20 46 29 06         2009       0.54       1.91       6.19       4.43       3.68       4.17       1.94       2.49       4.68       3. 1. 3. 38. 80 32 20 35         2010       0.88       1.02       0.71       3.65       3.79       8.38       7.98       3.92       2.65       2. 1. 1. 37. 30 09 49 86         2011       1.28       1.59       2.96       3.61       2.40       3.55       1.85       3.06       3.31 1. 3. 2. 30. 35 35 35 23 54         2012       1.40       1.03       2.61       2.85       3.19       0.31       4.00       1.58       1.33 4. 0. 2. 26. 56 90 60 36         2013       2.87       2.41       2.41       5.83       6.57       10.86       4.00       1.53       3.19 1. 2. 1. 45. 89 20 62 38         2014       0.65       1.24       1.26       5.13       3.47       9.55       1.08       5.43       1.84       3. 1. 1. 1. 35.     <	2006	1.96	0.81	2.34	5.04	4.61	2.29	4.45	5.43	3.33	2.	2.	1.	36.
2008       2.17       3.30       2.47       6.43       2.55       10.93       5.62       1.41       2.23       2. 1. 3. 44. 20 66       29 06         2009       0.54       1.91       6.19       4.43       3.68       4.17       1.94       2.49       4.68       3. 1. 3. 38. 80 32 20 35         2010       0.88       1.02       0.71       3.65       3.79       8.38       7.98       3.92       2.65       2. 1. 1. 3. 30. 99       49 86         2011       1.28       1.59       2.96       3.61       2.40       3.55       1.85       3.06       3.31       1. 3. 2. 30. 35       54         2012       1.40       1.03       2.61       2.85       3.19       0.31       4.00       1.58       1.33       4. 0. 2. 26. 56 90       60 36         2013       2.87       2.41       2.41       5.83       6.57       10.86       4.00       1.53       3.19       1. 2. 1. 45. 89       20 62 38         2014       0.65       1.24       1.26       5.13       3.47       9.55       1.08       5.43       1.84       3. 1. 1. 1. 35.	2007	0.84	1.59	3.39	4.68	1.40	4.82	2.69	15.18	2.45			3.	44.
2009       0.54       1.91       6.19       4.43       3.68       4.17       1.94       2.49       4.68       3. 1. 3. 38. 80 32 20 35         2010       0.88       1.02       0.71       3.65       3.79       8.38       7.98       3.92       2.65       2. 1. 1. 3. 30. 09 49 86         2011       1.28       1.59       2.96       3.61       2.40       3.55       1.85       3.06       3.31 1. 3. 2. 30. 35 35 23 54         2012       1.40       1.03       2.61       2.85       3.19       0.31       4.00       1.58       1.33 4. 0. 2. 26. 56 90 60 36         2013       2.87       2.41       2.41       5.83       6.57       10.86       4.00       1.53       3.19 1. 2. 1. 45. 89 20 62 38         2014       0.65       1.24       1.26       5.13       3.47       9.55       1.08       5.43       1.84       3. 1. 1. 1. 35.	2008	2.17	3.30	2.47	6.43	2.55	10.93	5.62	1.41	2.23	2.	1.	3.	44.
2010       0.88       1.02       0.71       3.65       3.79       8.38       7.98       3.92       2.65       2. 1. 1. 37. 30 09 49 86         2011       1.28       1.59       2.96       3.61       2.40       3.55       1.85       3.06       3.31 1. 3. 2. 30. 35 23 54         2012       1.40       1.03       2.61       2.85       3.19       0.31       4.00       1.58       1.33 4. 0. 2. 26. 56 90 60 36         2013       2.87       2.41       2.41       5.83       6.57       10.86       4.00       1.53       3.19 1. 2. 1. 45. 89 20 62 38         2014       0.65       1.24       1.26       5.13       3.47       9.55       1.08       5.43       1.84       3. 1. 1. 1. 35.	2009	0.54	1.91	6.19	4.43	3.68	4.17	1.94	2.49	4.68	3.	1.	3.	38.
2011       1.28       1.59       2.96       3.61       2.40       3.55       1.85       3.06       3.31       1.       3.       2.       30.         2012       1.40       1.03       2.61       2.85       3.19       0.31       4.00       1.58       1.33       4.       0.       2.       26.         2013       2.87       2.41       2.41       5.83       6.57       10.86       4.00       1.53       3.19       1.       2.       1.       45.         2014       0.65       1.24       1.26       5.13       3.47       9.55       1.08       5.43       1.84       3.       1.       1.       35.	2010	0.88	1.02	0.71	3.65	3.79	8.38	7.98	3.92	2.65	2.	1.	1.	37.
2012 1.40 1.03 2.61 2.85 3.19 0.31 4.00 1.58 1.33 4. 0. 2. 26. 56 90 60 36  2013 2.87 2.41 2.41 5.83 6.57 10.86 4.00 1.53 3.19 1. 2. 1. 45. 89 20 62 38  2014 0.65 1.24 1.26 5.13 3.47 9.55 1.08 5.43 1.84 3. 1. 1. 35.	2011	1.28	1.59	2.96	3.61	2.40	3.55	1.85	3.06	3.31	1.	3.	2.	30.
2013     2.87     2.41     2.41     5.83     6.57     10.86     4.00     1.53     3.19     1.     2.     1.     45.       2014     0.65     1.24     1.26     5.13     3.47     9.55     1.08     5.43     1.84     3.     1.     1.     35.	2012	1.40	1.03	2.61	2.85	3.19	0.31	4.00	1.58	1.33	4.	0.	2.	26.
2014 0.65 1.24 1.26 5.13 3.47 9.55 1.08 5.43 1.84 3. 1. 1. 35.	2013	2.87	2.41	2.41	5.83	6.57	10.86	4.00	1.53	3.19	1.	2.	1.	45.
	2014	0.65	1.24	1.26	5.13	3.47	9.55	1.08	5.43	1.84	3.	1.	1.	35.

2015	0.66	0.54	0.76	4.38	4.18	3.15	5.02	4.10	5.99	2. 73	4. 75	3. 33	39. 59
2016	0.98	0.52	3.96	2.11	2.22	5.35	5.23	7.87	8.46	4. 96	1. 87	2. 03	45. 56
2017	2.76	1.94	2.83	5.30	2.83	6.73	6.52	3.85	0.55	3. 56	0. 68	0. 73	38. 28
2018	1.68	2.50	0.74	2.14	9.78	5.67	3.12	10.40	5.46	5. 36	1. 69	2. 10	50. 64
2019	2.56	2.94	0.92	3.22	6.17	5.16	5.77	2.85	M3. 57				33. 16

Notes: Data missing in any month have an "M" flag. A "T" indicates a trace of precipitation.

Data missing for all days in a month or year is blank.

Creation date: 2016-07-22

Climatological Data for MADISON DANE COUNTY REGIONAL AP, WI - September 2019

Date	Max Temperature	Min Temperature	Avg Temperature	GDD Base 40	GDD Base 50	Precipitation	Snowfall	Snow Depth
2019-09-01	77	53	65.0	25	15	0.00	0.0	0
2019-09-02	83	60	71.5	32	22	0.16	0.0	0
2019-09-03	81	62	71.5	32	22	0.19	0.0	0
2019-09-04	66	51	58.5	19	9	T	0.0	0
2019-09-05	73	48	60.5	21	11	T	0.0	0
2019-09-06	74	54	64.0	24	14	0.00	0.0	0
2019-09-07	73	50	61.5	22	12	0.00	0.0	0
2019-09-08	64	55	59.5	20	10	0.02	0.0	0
2019-09-09	70	57	63.5	24	14	0.35	0.0	0
2019-09-10	81	65	73.0	33	23	0.81	0.0	0
2019-09-11	83	62	72.5	33	23	0.31	0.0	0
2019-09-12	72	60	66.0	26	16	1.72	0.0	0
2019-09-13	71	58	64.5	25	15	0.00	0.0	0
2019-09-14	77	50	63.5	24	14	0.00	0.0	0
2019-09-15	74	61	67.5	28	18	0.01	0.0	0
2019-09-16	82	60	71.0	31	21	0.00	0.0	0
2019-09-17	M	M	М	М	М	М	М	М
2019-09-18	M	M	М	М	М	М	М	М
2019-09-19	M	M	М	М	М	М	М	М
2019-09-20	М	М	М	М	М	М	М	М
2019-09-21	M	M	М	М	М	М	М	М
2019-09-22	М	М	М	М	М	М	М	М
2019-09-23	M	M	М	М	М	М	М	М
2019-09-24	М	М	М	М	М	М	М	М
2019-09-25	M	M	М	М	М	М	М	М
2019-09-26	M	M	М	М	М	М	М	М
2019-09-27	M	M	М	М	М	М	М	М
2019-09-28	М	М	М	М	М	М	М	М
2019-09-29	M	M	М	М	М	М	М	М
2019-09-30	М	М	М	М	М	М	М	М
Average Sum	75.1	56.6	65.8	419	259	3.57	0.0	0.0

# Appendix 4:

Site Photographs



Photograph 1 (9/17/2019): Wetland 1 (wet meadow), looking south toward Sampling Point 1.



Photograph 2 (9/17/2019): Upland meadow, looking southeast toward Sampling Point 2.



Photograph 3 (9/17/2019): North portion of Wetland 2 (wet meadow), looking south.



Photograph 4 (9/17/2019): South portion of Wetland 2 (wet meadow), looking south.



Photograph 5 (9/17/2019): Wetland 3 (wet meadow), looking southwest.



Photograph 6 (9/17/2019): Upland meadow, looking northwest toward Sampling Point 8.



Photograph 7 (9/17/2019): Wetland 4 (wet meadow), looking west toward Sampling Point 9.



Photograph 8 (9/17/2019): Wetland 5, (wet meadow) boundary, looking northeast.



**Photograph 9 (9/17/2019):** Upland forest along boundary of Wetland 5, looking northwest toward Sampling Point 11.



Photograph 10 (9/17/2019): Wetland 5, (wet meadow) boundary, looking northeast toward Sampling Point 12.



**Photograph 11 (9/17/2019):** Upland forest along Wetland 5 boundary, looking northeast toward Sampling Point 13.



Photograph 12 (9/17/2019): Wetland 5 (wet meadow) boundary, looking south toward Sampling Point 14.



Photograph 13 (9/17/2019): Forested storm water basin (Wetland 6), looking southwest.



Photograph 14 (9/17/2019): Upland meadow adjacent to Wetland 6, looking east toward Sampling Point 16.



Photograph 15 (9/17/2019): Upland forested storm water basin, looking southwest.

# Appendix 5:

Wetland Determination Data Forms - Northcentral/Northeast Regions

Project/Site: Maple Grove Drive Parcels	City/County: T	own of Verona/Dane	Sampling Date: 17-Sep-19
Applicant/Owner: Sun Prairie Self Storage, LLC		State: WI	Sampling Point: 01
Investigator(s): Stautz/Stangel	Section, Tow	nship, Range: S. 1	.3 <b>T.</b> 6N <b>R.</b> 8E
Landform (hillslope, terrace, etc.): Toeslope		cave, convex, none	
Subregion (LRR or MLRA): LRR K	Lat.:	Long.:	Datum:
Soil Map Unit Name: Plano silt loam, gravelly substratun	 n, 2-6% slopes		NWI classification: None
Are climatic/hydrologic conditions on the site typical for		● No ○ (If	no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed?	<b>\-</b>	umstances" present? Yes • No
Are Vegetation , Soil , or Hydrology	naturally problematic?		<b>F</b>
Summary of Findings - Attach site map s	• •		ain any answers in Remarks.) Cransects, important features, etc.
Hydrophytic Vegetation Present? Yes No			
Hydric Soil Present? Yes • No		ampled Area	es   No
V (a) N- (	within a	Wetland?	
Remarks: (Explain alternative procedures here or in a s			
Hydrology			
Wetland Hydrology Indicators:		Sec	ondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all  Surface Water (A1)			Surface Soil Cracks (B6)
	nter-Stained Leaves (B9) uatic Fauna (B13)		Drainage Patterns (B10) Moss Trim Lines (B16)
	rl Deposits (B15)		Dry Season Water Table (C2)
	drogen Sulfide Odor (C1)		Crayfish Burrows (C8)
	idized Rhizospheres along Living Ro	nots (C3)	Saturation Visible on Aerial Imagery (C9)
	esence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
	cent Iron Reduction in Tilled Soils (	C6) 🔽	Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin	n Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	ner (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		$\checkmark$	FAC-neutral Test (D5)
Field Observations:			
	epth (inches): 0.5		
Water Table Present? Yes • No O	epth (inches):		ıv Present? Yes ◉ No ◯
Saturation Present? Yes No D	epth (inches):	Wetland Hydrolog	y Present? Yes 🤍 NO 🔾
Describe Recorded Data (stream gauge, monitoring well	l, aerial photos, previous inspe	ections), if available	:
NRCS WETS Table (DANE COUNTY REGIONAL AP, WI);	; NOAA AHPS 90day % Norma	l Precip Map; and 1	997-2017 aerial photos
Remarks:			
Wetland hydrology present. Standing water is perched.			

	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: n/a )	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:1(A)
2	0			
3				Total Number of Dominant
4				Species Across All Strata:
				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 100.0% (A/B)
6				· · · ·
7	0			Prevalence Index worksheet:
_Sapling/Shrub Stratum (Plot size: 15' r)	0 =	Total Cover		Total % Cover of: Multiply by:
			OBL	OBL species <u>19</u> x 1 = <u>19</u>
1 Salix nigra			OBL	FACW species <u>85</u> x 2 = <u>170</u>
2	-			FAC species0 x 3 =0
3				FACU species $0 \times 4 = 0$
4	0			·
5	0			· ·
6	0			Column Totals: <u>104</u> (A) <u>189</u> (B)
7	0			Prevalence Index = B/A =1.817
	1 =	Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5' r )				Rapid Test for Hydrophytic Vegetation
1 _ Juncus dudleyi	_70_	✓	FACW	✓ Rapid Test to Trydrophytic Vegetation  ✓ Dominance Test is > 50%
2. Phalaris arundinacea	15		FACW	
3. Lythrum salicaria	4.5		OBL	<b>У</b> Prevalence Index is ≤3.0 ¹
4. Schoenoplectus tabernaemontani			OBL	Morphological Adaptations <sup>1</sup> (Provide supporting
			OBL	data in Remarks or on a separate sheet)
			OBL	☐ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6				<sup>1</sup> 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	0			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
(0)	103 =	Total Cover		greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: n/a )				, ,
1				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? Yes No U
Remarks: (Include photo numbers here or on a separate she	et.)			
Hydrophytic vegetation present.				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

inches)  Color (moist)	Texture Remark  Silty Clay Loam W/ gravel fill  rock/gravel  ation: PL=Pore Lining. M=Matrix  Indicators for Problematic Hydric So  2 cm Muck (A10) (LRR K, L, MLRA 1  Coast Prairie Redox (A16) (LRR K, L  5 cm Mucky Peat or Peat (S3) (LRR  Dark Surface (S7) (LRR K, L, M)  Polyvalue Below Surface (S8) (LRR K  Thin Dark Surface (S9) (LRR K, L)  Iron-Manganese Masses (F12) (LRR  Piedmont Floodplain Soils (F19) (ML	oils: <sup>3</sup> 149B)
rpe: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains 2Lo  /dric Soil Indicators:    Histosol (A1)	rock/gravel  rock/gravel  rock/gravel  rock/gravel  rock/gravel  rock/gravel  rock/gravel  rock/gravel  rock/gravel	149B) <sub>-</sub> , R)
rpe: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains 2Lo //dric Soil Indicators:    Histosol (A1)	ation: PL=Pore Lining. M=Matrix  Indicators for Problematic Hydric So 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) <sub>-</sub> , R)
Histosol (A1)	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) <sub>-</sub> , R)
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B)  Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) LRR K, L)  Stratified Layers (A5) Depleted Below Dark Surface (A11)  Thick Dark Surface (A12) Polyted Dark Surface (F6)  Sandy Muck Mineral (S1) Depleted Dark Surface (F7)  Sandy Gleyed Matrix (S4)  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 prostrictive Layer (if observed):  Type: _rock/gravel	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) <sub>-</sub> , R)
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B)  Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) LRR K, L)  Stratified Layers (A5) Depleted Below Dark Surface (A11)  Thick Dark Surface (A12) Peleted Dark Surface (F6)  Sandy Muck Mineral (S1) Depleted Dark Surface (F7)  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 protrictive Layer (if observed):  Type: _rock/gravel	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) -, R)
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) 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 R, MLRA 149B)  Alian Dark Surface (F8) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8)  Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B)  dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or protrictive Layer (if observed):  Type: _rock/gravel	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) -, R)
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) 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 R, MLRA 149B)  Alian Dark Surface (F8) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8)  Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B)  dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or protrictive Layer (if observed):  Type: _rock/gravel	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) -, R)
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) 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 R, MLRA 149B)  Alian Dark Surface (F8) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8)  Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B)  dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or protrictive Layer (if observed):  Type: _rock/gravel	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) -, R)
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B)  Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) LRR K, L)  Stratified Layers (A5) Depleted Below Dark Surface (A11)  Thick Dark Surface (A12) Peleted Dark Surface (F6)  Sandy Muck Mineral (S1) Depleted Dark Surface (F7)  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 protrictive Layer (if observed):  Type: _rock/gravel	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) -, R)
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B)  Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) LRR K, L)  Stratified Layers (A5) Depleted Below Dark Surface (A11)  Thick Dark Surface (A12) Peleted Dark Surface (F6)  Sandy Muck Mineral (S1) Depleted Dark Surface (F7)  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 protrictive Layer (if observed):  Type: _rock/gravel	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) -, R)
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B)  Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) LRR K, L)  Stratified Layers (A5) Depleted Below Dark Surface (A11)  Thick Dark Surface (A12) Peleted Dark Surface (F6)  Sandy Muck Mineral (S1) Depleted Dark Surface (F7)  Sandy Gleyed Matrix (S4)  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 prostrictive Layer (if observed):  Type: _rock/gravel	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) -, R)
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B)  Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) LRR K, L)  Stratified Layers (A5) Depleted Below Dark Surface (A11)  Thick Dark Surface (A12) Peleted Dark Surface (F6)  Sandy Muck Mineral (S1) Depleted Dark Surface (F7)  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 protrictive Layer (if observed):  Type: _rock/gravel	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) -, R)
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) 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 R, MLRA 149B)  Alian Dark Surface (A12) Depleted Below Dark Surface (A13) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8)  Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B)  dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or proterictive Layer (if observed):  Type: _rock/gravel	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) <sub>-</sub> , R)
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B)  Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) LRR K, L)  Stratified Layers (A5) Depleted Below Dark Surface (A11)  Thick Dark Surface (A12) Peleted Dark Surface (F6)  Sandy Muck Mineral (S1) Depleted Dark Surface (F7)  Sandy Gleyed Matrix (S4)  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 prostrictive Layer (if observed):  Type: _rock/gravel	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) <sub>-</sub> , R)
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B)  Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) LRR K, L)  Stratified Layers (A5) Depleted Below Dark Surface (A11)  Thick Dark Surface (A12) Peleted Dark Surface (F6)  Sandy Muck Mineral (S1) Depleted Dark Surface (F7)  Sandy Gleyed Matrix (S4)  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 prostrictive Layer (if observed):  Type: _rock/gravel	Indicators for Problematic Hydric Sc 2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) -, R)
Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  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 R, MLRA 149B)  dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or protective Layer (if observed):  Type: _rock/gravel	2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) -, R)
Histic Epipedon (A2)  Black Histic (A3)  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 R, MLRA 149B)  dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or procedure. Topics of the procedure of the	2 cm Muck (A10) (LRR K, L, MLRA 1 Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	149B) -, R)
Histic Epipeuoli (A2)  Black Histic (A3)  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 (S9) (LRR R, MLRA 149B)  Loamy Mucky Mineral (F1) LRR K, L)  Loamy Gleyed Matrix (F2)  Depleted Matrix (F3)  Redox Dark Surface (F6)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7) (LRR R, MLRA 149B)  dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or protrictive Layer (if observed):  Type: _rock/gravel	Coast Prairie Redox (A16) (LRR K, L 5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	., R)
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 R, MLRA 149B)  dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or proteintive Layer (if observed):  Type: _rock/gravel	5 cm Mucky Peat or Peat (S3) (LRR Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	
Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Muck Mineral (S1)  Sandy Gleyed Matrix (S4)  Sandy Redox Dark Surface (F7)  Redox Depressions (F8)  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 proterictive Layer (if observed):  Type: _rock/gravel	Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR	14, 14, 14)
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)  dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or protrictive Layer (if observed):  Type: _rock/gravel	Polyvalue Below Surface (S8) (LRR IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
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)  dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or protrictive Layer (if observed):  Type: _rock/gravel	☐ Thin Dark Surface (S9) (LRR K, L) ☐ Iron-Manganese Masses (F12) (LRR	K. L)
Sandy Muck Mineral (S1)  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 protrictive Layer (if observed):  Type: _rock/gravel	Iron-Manganese Masses (F12) (LRR	
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 pro  trictive Layer (if observed):  Type: _rock/gravel		K, L, R)
Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) idicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or pro itrictive Layer (if observed): Type: rock/gravel		
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or prostrictive Layer (if observed): Type: _rock/gravel	Mesic Spodic (TA6) (MLRA 144A, 14	
Dark Surface (S7) (LRR R, MLRA 149B) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or pro trictive Layer (if observed):  Type: _rock/gravel	Red Parent Material (F21)	, ,
ndicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or prostrictive Layer (if observed):  Type: _rock/qravel	☐ Very Shallow Dark Surface (TF12)	
strictive Layer (if observed):  Type: _rock/gravel	Other (Explain in Remarks)	
Type: rock/gravel	lematic.	
Type: rock/gravel		
Depth (inches): 6		
	Hydric Soil Present? Yes   N	lo 🔾
marks:		
1-1-1-1		
ric soil present.		

Project/Site: Maple Grove Drive Parce	s		City/County:	Town of Verona/D	oane s	Sampling Date: 17-Sep-19
Applicant/Owner: Sun Prairie Self Stor	age, LLC			State: WI	Sampling P	Point: 02
Investigator(s): Stautz/Stangel			Section, To	ownship, Range:	<b>s.</b> 13 <b>t.</b> 6N	<b>R.</b> 8E
Landform (hillslope, terrace, etc.):	Backslope		Local relief (c	oncave, convex, r	ione): convex	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Zucherepe	Lat.:	•	Long		Datum:
Soil Map Unit Name: Plano silt loam	, gravelly sι	ıbstratum, 2-6% slop	es		NWI classific	ration: None
Are climatic/hydrologic conditions o	n the site tv	nical for this time of v	rear? Ye	s • No O	— (If no, explain in R	Remarks.)
Are Vegetation , Soil	, or Hydrold		tly disturbed?		Circumstances" pro	·
			-		•	
Are Vegetation, Soil	or Hydrolo,	· ·	problematic?	,	explain any answer	•
Summary of Findings - At	Yes O	No •	sampling p	oint location	is, transects,	mportant reatures, etc.
Hydrophytic Vegetation Present?		No •	Is the	Sampled Area		
Hydric Soil Present?	Yes O			n a Wetland?	Yes O No 💿	
Wetland Hydrology Present?	Yes O	No •				
Hardrado ano						
Hydrology						
Wetland Hydrology Indicators:						s (minimum of 2 required)
Primary Indicators (minimum of or Surface Water (A1)	<u>ie requirea;</u>		(50)		Surface Soil Cra	
High Water Table (A2)		Water-Stained Lea Aquatic Fauna (B1	. ,		☐ Drainage Patter☐ Moss Trim Lines	` '
Saturation (A3)		Marl Deposits (B1	-		Dry Season Wat	• •
Water Marks (B1)		Hydrogen Sulfide	-		Crayfish Burrow	• •
Sediment Deposits (B2)		Oxidized Rhizosph	. ,	Roots (C3)	= '	le on Aerial Imagery (C9)
☐ Drift deposits (B3)		Presence of Redu		(55)		ssed Plants (D1)
Algal Mat or Crust (B4)		Recent Iron Redu		s (C6)	Geomorphic Pos	
☐ Iron Deposits (B5)		Thin Muck Surface	e (C7)		Shallow Aquitare	d (D3)
Inundation Visible on Aerial Imager	y (B7)	Other (Explain in I	Remarks)		Microtopograph	ic Relief (D4)
Sparsely Vegetated Concave Surfac	e (B8)		•		FAC-neutral Tes	st (D5)
Field Observations:						
Surface Water Present? Yes		Depth (inches):				
Water Table Present? Yes	No 💿	Depth (inches):		Mr		Yes O No •
Saturation Present? (includes capillary fringe) Yes		Depth (inches):			rology Present?	
Describe Recorded Data (stream ga	_	= -				
NRCS WETS Table (DANE COUNTY	REGIONAL	AP, WI); NOAA AHPS	5 90day % Norr	mai Precip Map; a	and 1997-2017 aeri	al photos
Remarks:						
Wetland hydrology not present.						
						· ·

(5)	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: _n/a)	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:0(A)
2.	0	$\overline{\Box}$		
3				Total Number of Dominant
				Species Across All Strata: (B)
4				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 0.0% (A/B)
6		$\sqcup$		
7	0			Prevalence Index worksheet:
Olet size, n/a	0 =	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: n/a )				OBL species
1				FACW species 0 x 2 = 0
2	0			FAC species x 3 = 39
3				·
4				FACU species <u>83</u> x 4 = <u>332</u>
5		$\Box$		UPL species $0 \times 5 = 0$
				Column Totals: <u>96</u> (A) <u>371</u> (B)
6				
7				Prevalence Index = B/A = 3.865
Herb Stratum (Plot size: 5'r )	=	= Total Cover		Hydrophytic Vegetation Indicators:
				Rapid Test for Hydrophytic Vegetation
1. Solidago canadensis	80	<b>~</b>	FACU	Dominance Test is > 50%
2. Geum aleppicum	10		FAC	Prevalence Index is ≤3.0 <sup>1</sup>
3. Symphyotrichum pilosum	2		FACU	Morphological Adaptations <sup>1</sup> (Provide supporting
4. Juncus tenuis	2		FAC	data in Remarks or on a separate sheet)
5. Rubus allegheniensis	1		FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6. Silphium integrifolium	1		FAC	
7				<sup>1</sup> 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 at breast height (DBH), regardless of height.
11				at bleast fielght (DBH), regardless of fielght.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: n/a )	96 =	= Total Cover		greater than 3.28 ft (1m) tall
	0			Liberto Alliberto con con Conservant National according to the
1				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
2	0			size, and woody plants less than 5.20 it tall.
3				Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cover		
				Hydrophytic
				Vegetation Present?  Yes ○ No ●
				Present? Yes V NO V
Remarks: (Include photo numbers here or on a separate she	et.)			
Hydrophytic vegetation not present.				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

(inches)		atrix			Redox Features			_	
` ,	Color (mo			Color (moist)	) % Type	Loc <sup>2</sup>	Texture	Remarks	
0-9	10YR	3/1	80				Clay Loam	fill material w/grav	
0-9	7.5YR	5/3	10				Clay Loam	fill material w/grav	rel
0-9	10YR	6/4	10				Sandy Clay Loam	fill material w/grav	rel
9-14	10YR	6/4					Sandy Clay Loam	fill material w/grav	rel .
14+							-	rock/gravel	
Type: C=Con	centration D=D	enletio	n RM=Red	uced Matrix CS=Cov	vered or Coated Sand G	rains <sup>2</sup> l oca	tion: PL=Pore Lining. M=		
Hydric Soil I		Срісцої			- Crea or coated band o	2000			3
Histosol (				Polyvalue B	selow Surface (S8) (LRR	R,		olematic Hydric Soi	
	pedon (A2)			MLRA 149B)	)	,		) (LRR K, L, MLRA 14	=
Black Hist				☐ Thin Dark S	Surface (S9) (LRR R, ML	RA 149B)		dox (A16) (LRR K, L,	
	Sulfide (A4)			Loamy Mucl	ky Mineral (F1) LRR K, L	.)	Dark Surface (S	t or Peat (S3) (LRR K	., L, R)
Stratified	Layers (A5)				ved Matrix (F2)			Surface (S8) (LRR K,	1)
Depleted	Below Dark Surf	face (A	11)	☐ Depleted Ma				ce (S9) (LRR K, L)	- L)
Thick Dar	k Surface (A12)				Surface (F6)			Masses (F12) (LRR k	(. L. R)
Sandy Mu	ıck Mineral (S1)				ark Surface (F7)			olain Soils (F19) (MLR	
Sandy Gle	eyed Matrix (S4)			☐ Redox Depr	ressions (F8)			A6) (MLRA 144A, 145	
Sandy Red							Red Parent Mate		
	Matrix (S6)						Very Shallow Da	rk Surface (TF12)	
Dark Surfa	ace (S7) (LRR R	, MLRA	149B)				Other (Explain in	n Remarks)	
<sup>3</sup> Indicators of	f hydrophytic ve	getatio	n and wetla	nd hydrology must b	be present, unless distur	bed or proble	ematic.		
testrictive L	ayer (if observ	red):							
Type: <u>ro</u>	ock/gravel								
Depth (incl	hes): 14						Hydric Soil Present?	Yes O No	•
Remarks:							1		
Remarks:									
	ot present.								
	ot present.								
	ot present.								
	ot present.								
	ot present.								
	ot present.								
	ot present.								
	ot present.								
	ot present.								
	ot present.								
	ot present.								
ydric soil no	ot present.								
	ot present.								
	ot present.								
	ot present.								
	ot present.								

Project/Site: Maple Grove Drive Parce	els		City/County:	Town of Verona/D	oane s	ampling Date: 17-Sep-19
Applicant/Owner: Sun Prairie Self Sto	rage, LLC			State: WI	Sampling Po	oint: 03
Investigator(s): Stautz/Stangel			Section, T	ownship, Range:	<b>s.</b> 13 <b>t.</b> 6N	<b>R.</b> 8E
Landform (hillslope, terrace, etc.):	Toeslope			oncave, convex, n		Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K		Lat.:		Long	j.:	Datum:
Soil Map Unit Name: Plano silt loar	n, gravelly su	ubstratum, 2-6% slop	es		NWI classifica	ation: None
Are climatic/hydrologic conditions	on the site tv	pical for this time of v	rear? Ye	s • No O	— (If no, explain in Re	emarks.)
Are Vegetation $\Box$ , Soil $\Box$	, or Hydrol		tly disturbed?		Circumstances" pre	
Are Vegetation , Soil .	, or Hydrol		problematic?		explain any answers	
Summary of Findings - A		· ·			-	•
Hydrophytic Vegetation Present?	Yes •	No O				
Hydric Soil Present?	Yes 💿	No O		Sampled Area	Yes   No	
Wetland Hydrology Present?	Yes	No O	WILIII	n a Wetland?	100 0 110 0	
Remarks: (Explain alternative pro		or in a conarato rono				
Hydrology						
Wetland Hydrology Indicators:					Cocondany Indicators	(minimum of 2 required)
Primary Indicators (minimum of o	ne reauired:	check all that apply)			Surface Soil Crac	
✓ Surface Water (A1)		Water-Stained Lea	aves (B9)		☐ Drainage Pattern	
✓ High Water Table (A2)		Aquatic Fauna (B1	. ,		Moss Trim Lines	
Saturation (A3)		Marl Deposits (B1	5)		Dry Season Water	er Table (C2)
Water Marks (B1)		Hydrogen Sulfide	Odor (C1)		Crayfish Burrows	• ,
Sediment Deposits (B2)		Oxidized Rhizosph		Roots (C3)		e on Aerial Imagery (C9)
Drift deposits (B3)		Presence of Redu			Stunted or Stress	` '
☐ Algal Mat or Crust (B4)☐ Iron Deposits (B5)		Recent Iron Redu		ls (C6)	✓ Geomorphic Posi  Shallow Aquitard	• •
Inundation Visible on Aerial Image	rv (B7)	Thin Muck Surface	,		✓ Microtopographic	
Sparsely Vegetated Concave Surfa		Other (Explain in I	кетагкѕ)		✓ FAC-neutral Test	
Field Observations:						
Surface Water Present? Yes	No O	Depth (inches):	0.5			
Water Table Present? Yes	No O	Depth (inches):	0			
Saturation Present? (includes capillary fringe) Yes	No O	Depth (inches):	0	Wetland Hydi	rology Present?	Yes   No
Describe Recorded Data (stream g	_	= -				
NRCS WETS Table (DANE COUNT	/ REGIONAL	AP, WI); NOAA AHPS	90day % Nor	mal Precip Map; a	and 1997-2017 aeria	al photos
Remarks:						
Wetland hydrology present. Stand	ng water is p	perched.				

	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: n/a )	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:3(A)
2	0			
3				Total Number of Dominant
				Species Across All Strata:3(B)
4				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 100.0% (A/B)
6				
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: n/a )	0 =	= Total Cover		Total % Cover of: Multiply by:
	0			OBL species <u>45</u> x 1 = <u>45</u>
1				FACW species <u>40</u> x 2 = <u>80</u>
2				FAC species7 x 3 =21
3				FACU species 2 x 4 = 8
4	0			UPL species $0 \times 5 = 0$
5	0			•
6	0			Column Totals: 94 (A) 154 (B)
7	0			Prevalence Index = B/A = <u>1.638</u>
(Plot size: 5'r	0 =	= Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5' r )				✓ Rapid Test for Hydrophytic Vegetation
1 _ Lythrum salicaria	25	✓	OBL	✓ Dominance Test is > 50%
2Juncus dudleyi	25	✓	FACW	✓ Prevalence Index is ≤3.0 ¹
3. Schoenoplectus tabernaemontani	20	✓	OBL	
4. Agrostis gigantea	5		FACW	<ul> <li>Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> </ul>
5. Symphyotrichum novae-angliae			FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6. Bidens frondosa	5		FACW	Problematic Hydrophytic Vegetation (Explain)
7 Cotorio numilo			FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
O Comphystalehum Interifferum			FAC	be present, unless disturbed or problematic.
O Colidono como demoio			FACU	Definitions of Vegetation Strata:
			FACU	•
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: n/a )	94 =	= Total Cover		greater than 3.28 ft (1m) tall
	•			
1				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
2				Size, and woody plants less than 5.20 it 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
Described (7 and all other complete beauty)	>			
Remarks: (Include photo numbers here or on a separate she	el.)			
Hydrophytic vegetation present.				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Depth (inches)		Matrix			Re	dox Feat	ures					
0-7	Color (r		%	Color (		%	Type 1	Loc2	Texture		Re	marks
	10YR	3/1		10YR	5/6	15	С	М	Clay Loam	1	fill material v	w/gravel
7+											gravel/rock	
									-			
									-			
									-			
ype: C=Conc	entration. D=	=Depletion	ı. RM=Redi	uced Matrix, (	S=Covere	ed or Coat	ed Sand Gr	ains <sup>2</sup> Loca	ition: PL=Pore Lining.	M=Ma	trix	
ydric Soil Ir									Indicators for I			ric Soils · 3
Histosol (A						w Surface	(S8) (LRR F	·,			-	ic sons i
Histic Epip	•			MLRA	\ 149B)				2 cm Muck ( Coast Prairie			
Black Histic	c (A3)						(LRR R, MLF					(LRR K, L, R)
Hydrogen	Sulfide (A4)						1) LRR K, L)		Dark Surface			
☐ Stratified L	ayers (A5)				y Gleyed		2)		Polyvalue Be			
Depleted P	Below Dark S	urface (A1	1)		eted Matri				Thin Dark Su			
Thick Dark	Surface (A1	2)			x Dark Su							(LRR K, L, R)
Sandy Muc	k Mineral (S	1)			eted Dark		<del>-</del> 7)					(MLRA 149B)
Sandy Gley	yed Matrix (S	4)		☐ Redo	x Depress	ions (F8)						A, 145, 149B)
☐ Sandy Red	lox (S5)								Red Parent I			.,,,
Stripped M	latrix (S6)								Very Shallow			12)
Dark Surfa	ce (S7) (LRR	R, MLRA	149B)						Other (Expla		•	,
Indicators of	hydrophytic	vegetation	and wetla	nd hydrology	must be p	resent, u	nless disturb	ed or probl			•	
						·						
estrictive La												
									Hydric Soil Prese	nt?	Yes 💿	No 🔾
Type: <u>gra</u>	avel/rock											
Type: <u>gra</u>	avel/rock											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
	evel/rock es): 7											
Type: <u>gra</u> Depth (inch Remarks:	evel/rock es): 7											
Type: <u>gra</u> Depth (inch Remarks:	evel/rock es): 7											
Type: <u>gra</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											
Type: <u>ara</u> Depth (inch emarks:	evel/rock es): 7											

Project/Site: Maple Grove Drive Parcels			City/County	Town of Verona/D	Dane	Sampling	<b>Date:</b> 17-Sep-19
Applicant/Owner: Sun Prairie Self Stora	ge, LLC			State: WI	I	Sampling Point:	04
Investigator(s): Stautz/Stangel			Section,	Township, Range:	<b>s.</b> 1	.3 <b>т.</b> 6N	<b>R.</b> 8E
Landform (hillslope, terrace, etc.):	Backslope		Local relief	(concave, convex, r	none)	): convex	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K		Lat.:		Long	g.:		Datum:
Soil Map Unit Name: Plano silt loam,	gravelly su	ıbstratum, 2-6% slop	es			NWI classification:	None
Are climatic/hydrologic conditions on	the site ty	pical for this time of y	ear?	Yes 💿 No 🔾	(If ı	no, explain in Remarks.	•
Are Vegetation $\Box$ , Soil $\Box$	, or Hydrolo	ogy 🗌 significant	tly disturbed?	? Are "Normal	l Circ	umstances" present?	Yes   No
Are Vegetation, Soil	, or Hydrolo	ogy 🗌 naturally į	problematic?	(If needed,	expla	ain any answers in Rem	arks.)
Summary of Findings - Att	ach site	map showing s	sampling	point location	ıs, t	transects, import	ant features, etc.
Hydrophytic Vegetation Present?	Yes O	No •					
Hydric Soil Present?	Yes 🔾	No •		he Sampled Area hin a Wetland?	Y	es O No 💿	
Wetland Hydrology Present?	Yes 🔾	No •					
Hydrology							
Wetland Hydrology Indicators:					Sec	ondary Indicators (minimu	m of 2 required)
Primary Indicators (minimum of one Surface Water (A1)	required;		(DO)			Surface Soil Cracks (B6)	
High Water Table (A2)		Water-Stained Lea Aquatic Fauna (B1	` ,		H	Drainage Patterns (B10) Moss Trim Lines (B16)	
Saturation (A3)		Marl Deposits (B1	-			Dry Season Water Table (	(C2)
☐ Water Marks (B1)		Hydrogen Sulfide	-			Crayfish Burrows (C8)	,
Sediment Deposits (B2)		Oxidized Rhizosph	eres along Livi	ng Roots (C3)		Saturation Visible on Aeria	al Imagery (C9)
Drift deposits (B3)		Presence of Redu	ced Iron (C4)			Stunted or Stressed Plant	s (D1)
Algal Mat or Crust (B4)		Recent Iron Redu	ction in Tilled S	Soils (C6)	Ц	Geomorphic Position (D2)	1
☐ Iron Deposits (B5)	(07)	Thin Muck Surface	e (C7)		Ц	Shallow Aquitard (D3)	
<ul><li>Inundation Visible on Aerial Imagery</li><li>Sparsely Vegetated Concave Surface</li></ul>		Other (Explain in I	Remarks)			Microtopographic Relief (I FAC-neutral Test (D5)	04)
Spaisely vegetated concave Surface	(50)					FAC-fleutral Test (D5)	
Field Observations: Surface Water Present?  Yes	No •	Donth (inches):					
	No 💿	Depth (inches):	-	_			
		Depth (inches):		Wetland Hydi	rolog	y Present? Yes	No 💿
(includes capillary fringe) Yes		Depth (inches):					_
Describe Recorded Data (stream gau NRCS WETS Table (DANE COUNTY I							5
Remarks:							
Wetland hydrology not present.							
Wedaria Hydrology not present.							

,	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: n/a )	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:0(A)
2	0			
3				Total Number of Dominant
4				Species Across All Strata:3(B)
				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 0.0% (A/B)
6				· · · ·
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' r )	0 =	= Total Cover		Total % Cover of: Multiply by:
A. Annalous of hello	-		FACIL	OBL species <u>0</u> x 1 = <u>0</u>
1 Lonicera x bella		<b>✓</b>	FACU	FACW species0 x 2 =0
2	-			FAC species <u>35</u> x 3 = <u>105</u>
3				FACU species 75 x 4 = 300
4	0			·
5	0			· ·
6	0			Column Totals: <u>110</u> (A) <u>405</u> (B)
7	0			Prevalence Index = B/A = 3.682
		= Total Cover		
Herb Stratum (Plot size: 5'r )				Hydrophytic Vegetation Indicators:
1 Solidago canadensis	30	✓	FACU	Rapid Test for Hydrophytic Vegetation
2. Symphyotrichum pilosum	25	<b>✓</b>	FACU	☐ Dominance Test is > 50%
3. Barbarea vulgaris	4.5		FAC	☐ Prevalence Index is ≤3.0 <sup>1</sup>
A Silvenia obli deloblere	10		FAC	Morphological Adaptations <sup>1</sup> (Provide supporting
- 0.1. 4			FAC	data in Remarks or on a separate sheet)
				☐ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6. Lotus corniculatus			FACU	1 Tudicateur of hydric cail and wattland hydrology much
7. Trifolium repens			FACU	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
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				One line (shouth - Wand to plants land there of a DDH and
		= Total Cover	-	Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: n/a )				greater than 0.20 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.
T1-	0 =	= Total Cover		S
		- 10101 00101		
				Hydrophytic
				Vegetation
				Present? Yes No •
Remarks: (Include photo numbers here or on a separate she	et.)			
Hydrophytic vegetation not present.				
7p 7				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Profile Description	: (Desc	cribe to t	he depth	needed to	document	t the indic	ator or co	onfirm the	absence of indicators	s.)				
Depth		Matrix				dox Featu			_					
(inches) C	olor (n	noist)	%	Color	(moist)	%	Type <sup>1</sup>	Loc2	Texture		Remarks	3		
0-9 10	YR	3/1							Clay Loam		w/ gravel			
0-9 10	YR	5/3		10YR	5/6	1	С	М	Clay Loam	,	w/ gravel			
9+				-					-		gravel			
				-										
				-					-					
				-										
					_									
<sup>1</sup> Type: C=Concentrat	ion. D=	Depletion	. RM=Red	uced Matrix	CS=Cover	ed or Coate	ed Sand Gr	ains <sup>2</sup> Loca	ation: PL=Pore Lining.	M=Ma	trix			
Hydric Soil Indicat			1100				2 20.00 01					. 3		
Histosol (A1)				□ pol	yvalue Belo	w Surface /	'S8) (I DD I	₹	Indicators for P					
Histic Epipedon	(Δ2)				RA 149B)	w Surface (	(30) (LIXIX I	Υ,			RR K, L, MLRA 14	-		
Black Histic (A3)				Thi	n Dark Surf	ace (S9) (I	LRR R, MLI	RA 149B)			(A16) (LRR K, L,			
Hydrogen Sulfide				Loa	my Mucky	Mineral (F1	) LRR K, L	)			r Peat (S3) (LRR K	, L, R)		
Stratified Layers				Loa	my Gleyed	Matrix (F2)	)		Dark Surface					
Depleted Below		ırface (A1	1)	☐ De	oleted Matri	x (F3)			Polyvalue Below Surface (S8) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)					
☐ Thick Dark Surfa			-/	Red	dox Dark Su	ırface (F6)								
Sandy Muck Min				☐ De <sub>l</sub>	oleted Dark	Surface (F	7)				asses (F12) (LRR k			
Sandy Gleyed Ma				Red	dox Depress	sions (F8)					n Soils (F19) (MLR			
Sandy Redox (S		• ,									(MLRA 144A, 145	, 149B)		
Stripped Matrix (									Red Parent M					
Dark Surface (S7		R. MI RA	149B)								Surface (TF12)			
									Other (Explain	ın R	emarks)			
<sup>3</sup> Indicators of hydro	phytic v	egetation/	and wetla	nd hydrolog	y must be p	oresent, un	less disturi	bed or proble	ematic.					
Restrictive Layer (i	if obse	rved):												
Type: <u>gravel</u>											0			
Depth (inches): _9	)								Hydric Soil Preser	it?	Yes O No	•		
Remarks:														
Hydric soil not pres	ent.													
,														
ı														
1														

Project/Site: Maple Grove Drive Parcels		City/County: Town of V	/erona/Dane	Sampling Date: 17-Sep-19
Applicant/Owner: Sun Prairie Self Storage	e, LLC	Sta	te: WI Sampling F	Point: 05
Investigator(s): Stautz/Stangel		Section, Township, F	Range: S. 13 T. 6	<b>R.</b> 8E
Landform (hillslope, terrace, etc.): To	oeslope	Local relief (concave, co		Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.:		Long.:	Datum:
Soil Map Unit Name: Orion silt loam, v	wet		NWI classific	cation: None
Are climatic/hydrologic conditions on t	the site typical for this time of v	ear? Yes 💿 No	(If no, explain in I	Remarks.)
			Normal Circumstances" pr	·
			eeded, explain any answer	
Summary of Findings - Atta		•		•
	Yes   No			<u> </u>
Hydric Soil Present?	Yes   No	Is the Sampled within a Wetlan		
Wetland Hydrology Present?	Yes   No	Within a Wedan		
Hydrology				
Wetland Hydrology Indicators:				rs (minimum of 2 required)
Primary Indicators (minimum of one  Surface Water (A1)		(PO)	Surface Soil Cra Drainage Patter	
✓ High Water Table (A2)	<ul><li></li></ul>	` '	Moss Trim Line	
Saturation (A3)	Marl Deposits (B15		Dry Season Wa	` '
Water Marks (B1)	Hydrogen Sulfide (		Crayfish Burrow	` '
Sediment Deposits (B2)	_ , •	eres along Living Roots (C3)	_ ′	ole on Aerial Imagery (C9)
☐ Drift deposits (B3)	Presence of Reduc			ssed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduc	ction in Tilled Soils (C6)	✓ Geomorphic Po	sition (D2)
☐ Iron Deposits (B5)	☐ Thin Muck Surface	(C7)	Shallow Aquitar	
Inundation Visible on Aerial Imagery (		Remarks)	✓ Microtopograph	
Sparsely Vegetated Concave Surface (	(88)		✓ FAC-neutral Te	st (D5)
Field Observations: Surface Water Present?  Yes		_		
	No O Depth (inches):	3		
Water Table Present? Yes •	No Depth (inches):	0	nd Hydrology Present?	Yes   No
Saturation Present? (includes capillary fringe)  Yes	No O Depth (inches):	0		
Describe Recorded Data (stream gaug NRCS WETS Table (DANE COUNTY R				ial photos
Remarks:				
	water is perched			
Wetland hydrology present. Standing	water is perched.			

	Absolute	Dominant	Indicator	Dominance Test worksheet:
	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:1(A)
2	0			
3				Total Number of Dominant
				Species Across All Strata: (B)
4				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 100.0% (A/B)
6				
7	0			Prevalence Index worksheet:
(Plot size, n/a	0 =	Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: n/a )				OBL species <u>62</u> x 1 = <u>62</u>
1				FACW species 0 x 2 = 0
2	0			
3	0			•
4				FACU species $0 \times 4 = 0$
5				UPL species $0 \times 5 = 0$
				Column Totals: <u>62</u> (A) <u>62</u> (B)
6		$\overline{\Box}$		
7				Prevalence Index = B/A = 1.000
_Herb Stratum_ (Plot size: 5' r )	=	Total Cover		Hydrophytic Vegetation Indicators:
				✓ Rapid Test for Hydrophytic Vegetation
1 . Schoenoplectus tabernaemontani	60	<b>✓</b>	OBL	✓ Dominance Test is > 50%
2. Typha x glauca			OBL	✓ Prevalence Index is ≤3.0 <sup>1</sup>
3	0			Morphological Adaptations <sup>1</sup> (Provide supporting
4	0			data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6				
7				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
				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	0			Sapling/shrub - Woody plants less than 3 in. DBH and
(Plat size n/2	62 =	: Total Cover		greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: n/a )				
1	0	Ш		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	et.)			
Hydrophytic vegetation present.	•			
Tryanophysic vogetation present				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Depth		Matrix			Re	dox Feat	ures		absence of indicator			
(inches)		(moist)	<u>%</u>		moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture			narks
0-6	10YR	4/2		10YR	5/6	_ 5	C		Loam		ill material	
6+										f	ill material w	r/gravel
									-			
	-			-	-			-				
Type: C=Con	centration. [	D=Depletion	. RM=Redu	ced Matrix,	CS=Cover	ed or Coat	ed Sand Gr	ains <sup>2</sup> Loca	ition: PL=Pore Lining.	M=Ma	trix	
Hydric Soil									Indicators for F			a Caila . 3
Histosol (				Polv	value Belo	w Surface	(S8) (LRR F	ξ,				
	pedon (A2)				A 149B)		()(	,	2 cm Muck (			
Black His				Thin	Dark Surf	face (S9) (	LRR R, MLF	RA 149B)	Coast Prairie			
	n Sulfide (A4)	)		Loar	ny Mucky	Mineral (F	L) LRR K, L)	)	5 cm Mucky			
	Layers (A5)			Loar	ny Gleyed	Matrix (F2	)		Dark Surface			
Depleted	Below Dark	Surface (A1	1)	<b>✓</b> Depl	eted Matr	ix (F3)			Polyvalue Be			
	k Surface (A			Redo	ox Dark Su	urface (F6)			Thin Dark Su			
Sandy Mu	ıck Mineral (	S1)		Depl	eted Dark	Surface (F	7)		☐ Iron-Mangan			
	eyed Matrix (	•		Red	ox Depres	sions (F8)						(MLRA 149B)
Sandy Re		. ,							☐ Mesic Spodic☐ Red Parent N			, 145, 1496)
	Matrix (S6)								Very Shallow		,	2)
	ace (S7) (LR	R R, MLRA	149B)						Other (Expla			2)
<sup>3</sup> Indicators o				ad budralag	must be	nrocont	alaca diaturk	and or proble		III III Ke	illaiks)	
			and weda	iu riyurology	must be	present, ui	iless distuit	bed of proble	emauc.			
Restrictive L		served):										
Type: <u>ro</u>									Hydric Soil Prese	n+2	Yes 💿	No O
Depth (inc	hes): <u>6</u>								nyunc son Prese	iitr	res 🙂	NO U
Remarks:												
Hydric soil pr	esent.											

Project/Site: Maple Grove Drive Parcel	s		City/County:	Town of Verona/D	oane s	Sampling Date: 17-Sep-19
Applicant/Owner: Sun Prairie Self Stor	age, LLC			State: WI	Sampling P	Point: 06
Investigator(s): Stautz/Stangel			Section, To	ownship, Range:	<b>s.</b> 13 <b>t.</b> 6N	<b>R.</b> 8E
Landform (hillslope, terrace, etc.):	Backslope		_	oncave, convex, n		Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K		Lat.:		Long	 j.:	Datum:
Soil Map Unit Name: Orion silt loam	, wet				NWI classific	ation: None
Are climatic/hydrologic conditions o	n the site ty	pical for this time of y	ear? Ye	s • No O	— (If no, explain in R	Remarks.)
Are Vegetation $\square$ , Soil $\square$	, or Hydrold		tly disturbed?	Are "Normal	Circumstances" pro	·
Are Vegetation, Soil	, or Hydrold		problematic?		explain any answer	
Summary of Findings - At		· ·		• ,	-	•
Hydrophytic Vegetation Present?	Yes O	No •	Jamping P			mportant roataros, etci
Hydric Soil Present?	Yes O	No •		Sampled Area	Yes ○ No •	
-	Yes O	No •	withi	n a Wetland?	res U NO S	
Wetland Hydrology Present?  Remarks: (Explain alternative production)						
Hydrology						
Wetland Hydrology Indicators:  Primary Indicators (minimum of or	o roquirod:	chack all that apply)				s (minimum of 2 required)
Surface Water (A1)	e required,	Water-Stained Lea	avec (BO)		Surface Soil Cra Drainage Patter	
High Water Table (A2)		Aquatic Fauna (B1	. ,		Moss Trim Lines	` '
Saturation (A3)		Marl Deposits (B1	-		Dry Season Wat	
☐ Water Marks (B1)		Hydrogen Sulfide	-		Crayfish Burrow	rs (C8)
Sediment Deposits (B2)		Oxidized Rhizosph	neres along Living	Roots (C3)	Saturation Visible	le on Aerial Imagery (C9)
Drift deposits (B3)		Presence of Redu	ced Iron (C4)		Stunted or Stres	ssed Plants (D1)
☐ Algal Mat or Crust (B4)		Recent Iron Redu	ction in Tilled Soil	s (C6)	Geomorphic Pos	
☐ Iron Deposits (B5)	(DZ)	Thin Muck Surface	` ,		Shallow Aquitare	
<ul><li>Inundation Visible on Aerial Imager</li><li>Sparsely Vegetated Concave Surfac</li></ul>		Other (Explain in I	Remarks)		<ul><li>✓ Microtopograph</li><li>✓ FAC-neutral Tes</li></ul>	
Sparsely vegetated Concave Surfac	± (DO)				FAC-fleutral res	(D5)
Field Observations:						
Surface Water Present? Yes		Depth (inches):				
Water Table Present? Yes		Depth (inches):		Wetland Hydi	rology Present?	Yes O No •
Saturation Present? (includes capillary fringe) Yes	No 💿	Depth (inches):		Wedana riya		
Describe Recorded Data (stream ga	_	= -				
NRCS WETS Table (DANE COUNTY	REGIONAL	AP, WI); NOAA AHPS	S 90day % Norr	mal Precip Map; a	and 1997-2017 aeri	al photos
Remarks:						
Wetland hydrology not present.						
						ļ

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: n/a )	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:1(A)
2	0			
3				Total Number of Dominant
				Species Across All Strata: (B)
4				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 50.0% (A/B)
6		님 .		
7	0	Ш.		Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: n/a )	0 =	Total Cover		Total % Cover of: Multiply by:
	0			OBL species
1				FACW species <u>53</u> x 2 = <u>106</u>
2				FAC species <u>25</u> x 3 = <u>75</u>
3		片 .		FACU species $45 \times 4 = 180$
4		님 .		UPL species $3 \times 5 = 15$
5				· '
6	0	片 .		Column Totals: <u>126</u> (A) <u>376</u> (B)
7	0			Prevalence Index = $B/A = \underline{2.984}$
Herb Stratum (Plot size: 5' r )	0 =	Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (1 lot 3/26. 3 1				Rapid Test for Hydrophytic Vegetation
1 Agrostis gigantea	50	✓	FACW	Dominance Test is > 50%
2. Solidago canadensis	30	✓	FACU	✓ Prevalence Index is ≤3.0 ¹
3. Erigeron philadelphicus	15		FAC	
4. Lotus corniculatus	_10_		FACU	<ul> <li>Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> </ul>
5. Geum aleppicum	10		FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6. Symphyotrichum pilosum	 5		FACU	Troblemade Hydrophlyde Vegetation (Explain)
7 Pactinges estive	2		UPL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
O. Comphyshickum langeslatum			FACW	be present, unless disturbed or problematic.
O Hallanthus anassasanatus			FACW	Definitions of Vegetation Strata:
40 Andreite meters		H .	UPL	•
10 Asclepias syriaca			UPL	Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12		Ш.		Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: n/a )	126 =	Total Cover		greater than 3.28 ft (1m) tall
	0			Harb All barbacous (non woody) plants, regardless of
1	0			Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
2				,
3				Woody vine - All woody vines greater than 3.28 ft in
4		Ш.		height.
	=	Total Cover		
				Hydrophytic Vegetation
				Present? Yes No •
Remarks: (Include photo numbers here or on a separate she	et.)			
Hydrophytic vegetation not present.	,			
, a. op., , a.c. vogetation not proponti				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Profile Desci Depth	ription: (De	scribe to t Matrix	the depth i	needed to d		t the indic dox Featu		onfirm the	absence of indicator	rs.)		
(inches)	Color	(moist)	%	Color (		%	Type 1	Loc2	Texture		Ren	narks
0-12	10YR	2/1							Silt Loam		fill material w	ı/gravel
12-13	10YR	4/6		7.5YR	5/6	2	С	М	Clay Loam		fill material w	ı/gravel
13+				-					-		rock/gravel	
	-			<u> </u>	-				P			
-	-			E	-				-			
				-		-				—		
						-						
<sup>1</sup> Type: C=Con	centration. [	D=Depletion	n. RM=Redu	ced Matrix,	CS=Covere	ed or Coate	d Sand Gr	ains <sup>2</sup> Loca	ation: PL=Pore Lining.	M=Ma	ntrix	
Hydric Soil	Indicators:								Indicators for F	Proble	matic Hydri	ic Soils: 3
Histosol (	. ,				value Belov A 149B)	w Surface (	S8) (LRR F	<b>ς</b> ,	2 cm Muck (			
	pedon (A2)				•	ace (S9) (L	RRR MIR	2Δ 149R)	Coast Prairie	Redo	(A16) (LRR	K, L, R)
Black His						Mineral (F1)			5 cm Mucky	Peat o	r Peat (S3) (L	_RR K, L, R)
	n Sulfide (A4) Layers (A5)					Matrix (F2)			Dark Surface	e (S7) (	(LRR K, L, M)	l
	Below Dark		1)		eted Matri						ırface (S8) (L	
	rk Surface (A		.1)		ox Dark Su				☐ Thin Dark Su			
	uck Mineral (			☐ Depl	eted Dark	Surface (F7	7)		☐ Iron-Mangar			
	eyed Matrix (			Redo	ox Depress	sions (F8)						(MLRA 149B)
Sandy Re		. ,							Red Parent N			, 145, 149B)
Stripped	Matrix (S6)								Very Shallow		` '	2)
☐ Dark Surf	face (S7) (LR	R R, MLRA	149B)						Other (Expla		•	-,
<sup>3</sup> Indicators o	f hydrophytic	c vegetation	n and wetlar	nd hydrology	must be p	oresent, unl	ess disturb	ed or probl	` .			
Restrictive L	ayer (if obs	served):										
Type: <u>ro</u>	ock/gravel								Under Call Boson			(2)
Depth (inc	thes): 13								Hydric Soil Prese	:nt?	Yes O	No 💿
Remarks:												
Hydric soil no	ot present.											

Project/Site: Maple Grove Drive Parcels		City/County: Tow	n of Verona/Dane	Sampling	<b>Date:</b> 17-Sep-19
Applicant/Owner: Sun Prairie Self Storage,	, LLC		State: WI	Sampling Point:	07
Investigator(s): Stautz/Stangel		Section, Towns	hip, Range: S. 1		<b>R.</b> 8E
Landform (hillslope, terrace, etc.): Too	eslope	Local relief (concav	-		Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.:		Long.:		Datum:
Soil Map Unit Name: Orion silt loam, we	et			NWI classification:	None
Are climatic/hydrologic conditions on th	e site typical for this time of v	ear? Yes 💿	No O (If r	no, explain in Remarks	.)
			-	umstances" present?	´ Yes ◉ No ◯
				nin any answers in Rem	narks )
Summary of Findings - Attac				•	•
	res   No		<u> </u>		·
Hydric Soil Present?	es O No O	Is the Sam within a W		es   No	
Wetland Hydrology Present?	es O No O	Within a Vi	recianu:		
Hydrology					
Wetland Hydrology Indicators:			Sec	ondary Indicators (minimu	um of 2 required)
Primary Indicators (minimum of one re Surface Water (A1)		(DO)		Surface Soil Cracks (B6) Drainage Patterns (B10)	
✓ High Water Table (A2)	☐ Water-Stained Leav	` '		Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15	•		Dry Season Water Table	(C2)
Water Marks (B1)	Hydrogen Sulfide C	-		Crayfish Burrows (C8)	()
Sediment Deposits (B2)	_ , •	eres along Living Root	s (C3)	Saturation Visible on Aeri	ial Imagery (C9)
☐ Drift deposits (B3)	Presence of Reduce			Stunted or Stressed Plan	ts (D1)
Algal Mat or Crust (B4)	Recent Iron Reduc	tion in Tilled Soils (C6	<b>V</b>	Geomorphic Position (D2	)
☐ Iron Deposits (B5)	☐ Thin Muck Surface	(C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B.		lemarks)		Microtopographic Relief (	(D4)
Sparsely Vegetated Concave Surface (Bi	8)			FAC-neutral Test (D5)	
Field Observations:	•• •				
	No Depth (inches):	1			
	No Depth (inches):	0	Vetland Hydrolog	y Procent? Yes	No O
(Includes capillary Inflige)	No O Depth (inches):	0			- NO ©
Describe Recorded Data (stream gauge NRCS WETS Table (DANE COUNTY RE	•	• •	**		os
			,	· .	
Remarks:					
Wetland hydrology present. Standing w	<i>r</i> ater is perched.				

Tree Stratum (Plot size: 30' r )	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:	
	% Cover	эрсскоз.	Status	Number of Dominant Species	
1. Populus deltoides	2		FAC	That are OBL, FACW, or FAC: (A	)
2. Salix nigra			OBL	Total Number of Dominant	
3	0			Species Across All Strata: 2 (B	)
4					,
5				Percent of dominant Species	
6		Ħ		That Are OBL, FACW, or FAC: $100.0\%$ (A	/B)
7.	_			Prevalence Index worksheet:	
7					
Sapling/Shrub Stratum (Plot size: 15' r )	4=	Total Cover	r	Total % Cover of: Multiply by:	
1 Salix interior	10	<b>✓</b>	FACW	OBL species <u>2</u> x 1 = <u>2</u>	
2.				FACW species <u>110</u> x 2 = <u>220</u>	
				FAC species <u>2</u> x 3 = <u>6</u>	
3				FACU species $0 \times 4 = 0$	
4				UPL species $0 \times 5 = 0$	
5				[ · · · · · · · · · · · · · · · · · · ·	(B)
6				Column locals: 114 (A) 220 (	,
7	0			Prevalence Index = B/A = <u>2.000</u>	
Herb Stratum (Plot size: 5' r)	10 =	Total Cove	r	Hydrophytic Vegetation Indicators:	
				✓ Rapid Test for Hydrophytic Vegetation	
1 Phalaris arundinacea	100_	✓	FACW	✓ Dominance Test is > 50%	
2	0				
3				<b>V</b> Prevalence Index is ≤3.0 <sup>1</sup>	
4				Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	ng
5					
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	)
6				<sup>1</sup> Indicators of hydric soil and wetland hydrology m	ust
7				be present, unless disturbed or problematic.	ust
8				Definitions of Vegetation Strata:	
9				beinitions of vegetation strata.	
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diame	eter
11	0			at breast height (DBH), regardless of height.	
12	0			   Sapling/shrub - Woody plants less than 3 in. DBH a	nd
		Total Cove	r	greater than 3.28 ft (1m) tall	iiu
Woody Vine Stratum (Plot size: n/a )		_			
1				Herb - All herbaceous (non-woody) plants, regardles	ss 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 Cove	•		
				Hydrophytic	
				Vegetation	
				Present? Yes VO	
Remarks: (Include photo numbers here or on a separate sl	neet.)				
Hydrophytic vegetation present.					
, , , , , , , , , , , , , , , , , , , ,					

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

(inches)		Matrix				dox Featu					_
	Color (ı		%	Color (	moist)	%	Type <sup>1</sup>	Loc²	Texture		narks
0-9	10YR	3/1	40						Clay Loam	fill material w	
0-9	10YR	4/1	60	10YR	5/6	15	C		Clay Loam	fill material w	ı/gravel
9-10	10YR	6/2		10YR	6/4	20	С	М	Sandy Clay Loam	fill material w	ı/gravel
10+			-	-	-	-	-			gravel/rock	
		-	-	-	-						
				-		-					
				-	-	-					
					-						
				-	-						
Type: C=Cor	ncentration. D	=Depletio	n. RM=Red	uced Matrix,	CS=Cover	ed or Coate	ed Sand Gra	ains <sup>2</sup> Loca	tion: PL=Pore Lining. M=	– Matrix	
	Indicators:	<u> </u>		<u> </u>					Indicators for Prob		is Seile 1 3
Histosol				Poly	value Belo	w Surface (	S8) (LRR F	₹,	2 cm Muck (A10		
Histic Epi	pedon (A2)			_	A 149B)				Coast Prairie Red		
Black His	tic (A3)					ace (S9) (L			5 cm Mucky Pea		
Hydroger	n Sulfide (A4)					Mineral (F1			Dark Surface (S7		
	Layers (A5)					Matrix (F2)			Polyvalue Below		
_	Below Dark S		11)	'	eted Matri ox Dark Su				Thin Dark Surfac		
_	rk Surface (A1					Surface (F6)	7)		☐ Iron-Manganese	Masses (F12) (	LRR K, L, R)
_ ′	uck Mineral (S	•			ox Depress	•	, )		Piedmont Floodp	lain Soils (F19)	(MLRA 149B)
_	eyed Matrix (S	54)			л. Бор. сос	(. 0)			Mesic Spodic (TA	A6) (MLRA 144A	, 145, 149B)
	edox (S5) Matrix (S6)								Red Parent Mate	` ,	
_	face (S7) (LRR	R MIRA	149R)						☐ Very Shallow Da	•	2)
									Other (Explain in	Remarks)	
	f hydrophytic	vegetatio	n and wetla	nd hydrology	must be p	resent, un	less disturt	ed or proble	ematic.		
Indicators o		• • • • • • • • • • • • • • • • • • • •									
Restrictive L	ayer (if obse	erved):							Hydric Soil Present?	Yes •	No O
Restrictive L	ravel/rock	erved):							Hyuric Son Fresent:		NO $\smile$
Restrictive L	ravel/rock	erved):									
Restrictive L Type: _q Depth (inc	ravel/rock	erved):									
estrictive L Type: _q Depth (inc	ravel/rock ches): 10	erved):									
estrictive L Type: _q Depth (inc	ravel/rock ches): 10	erved):								1 <b>cs</b> ©	
Type: _q Depth (inc Remarks:	ravel/rock ches): 10	erved):									
estrictive L Type: _q Depth (inc	ravel/rock ches): 10	erved):									
Type: _q Depth (inc Remarks:	ravel/rock ches): 10	erved):									
Type: _q Depth (inc Remarks:	ravel/rock ches): 10	erved):									
Type: _q Depth (inc Remarks:	ravel/rock ches): 10	erved):									
Type: _q Depth (inc Remarks:	ravel/rock ches): 10	erved):									
Type: _q Depth (inc Remarks:	ravel/rock ches): 10	erved):									
Type: _q Depth (inc Remarks:	ravel/rock ches): 10	erved):									
Restrictive L Type: _q Depth (inc Remarks:	ravel/rock ches): 10	erved):									
Restrictive L Type: _q Depth (ind	ravel/rock ches): 10	erved):									
Restrictive L	ravel/rock ches): 10	erved):									
Restrictive L Type: _q Depth (ind	ravel/rock ches): 10	erved):									
Restrictive L Type: _q Depth (ind Remarks:	ravel/rock ches): 10	erved):									
Restrictive L Type: _q Depth (ind Remarks:	ravel/rock ches): 10	erved):									
Type: _q Depth (inc Remarks:	ravel/rock ches): 10	erved):									

<b>Project/Site:</b> Maple Grove Drive Parcels	i		City/County:	Town of Verona/D	Dane	Sampling	<b>Date:</b> 17-Sep-19
Applicant/Owner: Sun Prairie Self Stora	ge, LLC			State: WI	I	Sampling Point:	08
Investigator(s): Stautz/Stangel			Section, 1	Township, Range:	<b>s.</b> 1	т. 6N	<b>R.</b> 8E
Landform (hillslope, terrace, etc.):	Backslope		Local relief (	concave, convex, n	none)	: convex	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K		Lat.:		Long	g.:		Datum:
Soil Map Unit Name: Orion silt loam,	wet					NWI classification:	lone
Are climatic/hydrologic conditions on	the site typ	pical for this time of y	ear? Y	es   No	(If n	o, explain in Remarks.)	)
Are Vegetation, Soil	, or Hydrolo	ogy 🗌 significant	ly disturbed?	Are "Normal	l Circi	umstances" present?	Yes   No
Are Vegetation, Soil	, or Hydrolo	ogy 🗌 naturally p	roblematic?	(If needed, e	expla	in any answers in Rem	arks.)
Summary of Findings - Att	ach site	map showing s	ampling p	• ,	-	•	•
Hydrophytic Vegetation Present?	Yes O	No •				<u>-</u>	<u> </u>
Hydric Soil Present?	Yes $\bigcirc$	No •		e Sampled Area in a Wetland?	Υє	s O No 💿	
Wetland Hydrology Present?	Yes $\bigcirc$	No 💿	Wich	iii a wedana:			
Remarks: (Explain alternative proc	edures here	or in a separate repo	rt.)				
Hadrala m.							
Hydrology							
Wetland Hydrology Indicators:						ondary Indicators (minimu	m of 2 required)
Primary Indicators (minimum of one Surface Water (A1)	<u>a requirea;</u>		(DO)			Surface Soil Cracks (B6) Drainage Patterns (B10)	
High Water Table (A2)		Water-Stained Lea Aquatic Fauna (B1	. ,			Moss Trim Lines (B16)	
Saturation (A3)		Marl Deposits (B15	-			Dry Season Water Table (	C2)
☐ Water Marks (B1)		Hydrogen Sulfide (	-			Crayfish Burrows (C8)	•
Sediment Deposits (B2)		Oxidized Rhizosph	eres along Livin	g Roots (C3)		Saturation Visible on Aeria	al Imagery (C9)
Drift deposits (B3)		Presence of Reduc	ced Iron (C4)			Stunted or Stressed Plants	s (D1)
Algal Mat or Crust (B4)		Recent Iron Reduc	ction in Tilled So	ils (C6)		Geomorphic Position (D2)	
☐ Iron Deposits (B5)	(07)	Thin Muck Surface	(C7)			Shallow Aquitard (D3)	
<ul><li>Inundation Visible on Aerial Imagery</li><li>Sparsely Vegetated Concave Surface</li></ul>		Other (Explain in F	Remarks)			Microtopographic Relief (I FAC-neutral Test (D5)	04)
Sparsery regetated concave surface	(50)					rac-neutral rest (D3)	
Field Observations: Surface Water Present?  Yes	No •	Donaldo (in ale a a)					
		Depth (inches):		_			
		Depth (inches):		 Wetland Hydr	rolog	y Present? Yes	No 💿
(includes capillary fringe) Yes		Depth (inches):					
Describe Recorded Data (stream gai NRCS WETS Table (DANE COUNTY							5
Remarks:							
Wetland hydrology not present.							
Transition of the present							

	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: n/a )	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:0(A)
2	0			
3		一		Total Number of Dominant
				Species Across All Strata: 2 (B)
4				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 0.0% (A/B)
6				, ,
7	0			Prevalence Index worksheet:
	0 =	Total Cover		Total % Cover of: Multiply by:
	•			OBL species <u>0</u> x 1 = <u>0</u>
1				FACW species <u>30</u> x 2 = <u>60</u>
2				FAC species0 x 3 =0
3				FACU species 85 x 4 = 340
4	0			·
5	0			UPL species $\frac{5}{}$ x 5 = $\frac{25}{}$
6	0			Column Totals: <u>120</u> (A) <u>425</u> (B)
7	0			Prevalence Index = B/A =3.542_
	0 =	Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5' r )				Rapid Test for Hydrophytic Vegetation
1 _ Solidago canadensis	50	✓	FACU	
2. Lotus corniculatus	25	✓	FACU	☐ Dominance Test is > 50%
3. Symphyotrichum lanceolatum	20		FACW	☐ Prevalence Index is ≤3.0 ¹
4. Symphyotrichum pilosum	10		FACU	Morphological Adaptations <sup>1</sup> (Provide supporting
			FACW	data in Remarks or on a separate sheet)
			UPL	☐ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6. Asclepias syriaca			UPL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
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	0			Continuo (abrub. Woody plants less than 2 in DDL and
		Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: n/a )				greater than electrical transfer
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	et.)			
Hydrophytic vegetation not present.				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

nches)		Matrix	n/.	Redox Features  Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	- Teaching	Domasilia
	Color (1 10YR			Color (moist) % Type 1 Loc2	Texture Silty Clay Loam	Remarks fill material w/ gravel
0-3		3/2	40			fill material w/ gravel
3-16	10YR	4/3	40		Silty Clay	fill material w/ gravel
3-16	10YR	3/2	30		Silty Clay Loam	
3-16	10YR	5/6	30		Silty Clay	fill material w/ gravel
16+						gravel
			-			
		5 1 .:				
		=Depletio	n. RM=Redi	uced Matrix, CS=Covered or Coated Sand Grains <sup>2</sup> Loca		
dric Soil I Histosol (A	ndicators:			Polyvalue Below Surface (S8) (LRR R,		roblematic Hydric Soils: <sup>3</sup>
Histic Epip	•			MLRA 149B)		10) (LRR K, L, MLRA 149B)
Black Histi				☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)		Redox (A16) (LRR K, L, R)
	Sulfide (A4)			Loamy Mucky Mineral (F1) LRR K, L)		Peat or Peat (S3) (LRR K, L, R)
	Layers (A5)			Loamy Gleyed Matrix (F2)		(S7) (LRR K, L, M)
	Below Dark S	urface (A	11)	Depleted Matrix (F3)		ow Surface (S8) (LRR K, L)
Thick Dark	c Surface (A1	2)		Redox Dark Surface (F6)		face (S9) (LRR K, L) ese Masses (F12) (LRR K, L, R)
Sandy Mu	ck Mineral (S	1)		Depleted Dark Surface (F7)		odplain Soils (F19) (MLRA 149B)
Sandy Gle	yed Matrix (S	64)		Redox Depressions (F8)		(TA6) (MLRA 144A, 145, 149B)
Sandy Red	dox (S5)				Red Parent M	
Stripped M	1atrix (S6)					Dark Surface (TF12)
Dark Surfa	ace (S7) (LRR	R, MLRA	. 149B)		Other (Explain	
dicators of	hydrophytic	vegetatio	n and wetla	and hydrology must be present, unless disturbed or probl	ematic.	
trictive La	yer (if obse	erved):				
	avol.					
	avei				Hydric Soil Presen	nt? Yes O No 💿
ype: <u>ara</u>						
ype: <u>gra</u> epth (inch				<del></del> _		
Гуре: <u>gra</u> Depth (inch narks:	nes): <u>16</u>					
ype: <u>gra</u> epth (inch arks:	nes): <u>16</u>					
Type: <u>ara</u> Depth (inch narks:	nes): <u>16</u>					
Гуре: <u>gra</u> Depth (inch narks:	nes): <u>16</u>					
Type: <u>gra</u> Depth (inch marks:	nes): <u>16</u>					
Type: <u>gr</u> Depth (inch marks: ric soil no	nes): <u>16</u>					
Type: <u>gra</u> Depth (inch marks:	nes): <u>16</u>					
Type: <u>gra</u> Depth (inch narks:	nes): <u>16</u>					
Type: <u>ara</u> Depth (inch narks:	nes): <u>16</u>					
ype: <u>gra</u> epth (inch	nes): <u>16</u>					
Type: <u>gra</u> Depth (inch marks:	nes): <u>16</u>					
Type: <u>gra</u> Depth (inch marks:	nes): <u>16</u>					
Type: <u>gra</u> Depth (inch marks:	nes): <u>16</u>					
Type: <u>gra</u> Depth (inch marks:	nes): <u>16</u>					
Type: <u>gra</u> Depth (inch marks:	nes): <u>16</u>					
Type: <u>ara</u> Depth (inch narks:	nes): <u>16</u>					

<b>Project/Site:</b> Maple Grove Drive Parcels		City/County: Town	of Verona/Dane	Sampling	<b>Date:</b> 17-Sep-19
Applicant/Owner: Sun Prairie Self Storage,	, LLC		State: WI	Sampling Point:	09
Investigator(s): Stautz/Stangel		Section, Township	p, Range: S. 13	т. 6N	<b>R.</b> 8E
Landform (hillslope, terrace, etc.): Too	eslope	Local relief (concave,	-	concave	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.:		Long.:		Datum:
Soil Map Unit Name: Orion silt loam, we	et -		N	IWI classification: N	one
Are climatic/hydrologic conditions on th	ne site typical for this time of v	ear? Yes 💿 N	lo O (If no,	explain in Remarks.)	
				nstances" present?	Yes   No
		-		any answers in Rema	rks )
Summary of Findings - Attac		`	· ·	-	•
Hydrophytic Vegetation Present? Y	′es ● No ○				
Hydric Soil Present?	′es 💿 No 🔾	Is the Sampl within a Wet		● No ○	
Wetland Hydrology Present? Y	′es • No O	Within a Wes			
Hardrada are					
Hydrology					
Wetland Hydrology Indicators:				dary Indicators (minimum	n of 2 required)
Primary Indicators (minimum of one re		(20)		urface Soil Cracks (B6)	
✓ High Water Table (A2)	☐ Water-Stained Lea ☐ Aquatic Fauna (B1:	` '		rainage Patterns (B10) oss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15	•		ry Season Water Table (C	72)
Water Marks (B1)	Hydrogen Sulfide (	•		rayfish Burrows (C8)	<i>-</i> -/
Sediment Deposits (B2)	_ , •	eres along Living Roots (		aturation Visible on Aerial	Imagery (C9)
☐ Drift deposits (B3)	Presence of Reduc			unted or Stressed Plants	(D1)
Algal Mat or Crust (B4)	Recent Iron Reduc	tion in Tilled Soils (C6)	<b>✓</b> Ge	eomorphic Position (D2)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface	(C7)		nallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B	Outlot (Explain in it	emarks)		icrotopographic Relief (D	4)
Sparsely Vegetated Concave Surface (B	88)		<b>✓</b> FA	AC-neutral Test (D5)	
Field Observations:	•• •	_			
	No Depth (inches):	2			
	No Depth (inches):	0wa	tland Hydrology F	Present? Yes	No O
(includes capillary irriige)	No Depth (inches):	0		riesentr res =	
Describe Recorded Data (stream gauge NRCS WETS Table (DANE COUNTY RE				97-2017 aerial photos	
-		·		·	
Remarks:					
Wetland hydrology present. Standing w	vater is perched.				

	Absolute		Indicator	Dominance Test worksheet:
	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:1 (A)
2	0			
3				Total Number of Dominant
				Species Across All Strata: (B)
4				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 100.0% (A/B)
6				
7	0			Prevalence Index worksheet:
(Plot size, 151 r	0 =	Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' r )				OBL species1 x 1 =1
1 <sub>.</sub> Salix nigra	1		OBL	FACW species 97 x 2 = 194
2. Populus deltoides	1		FAC	
3				
4				FACU species $0 \times 4 = 0$
5				UPL species $0 \times 5 = 0$
		$\Box$		Column Totals: 99 (A) 198 (B)
6		Ä		
7	0			Prevalence Index = B/A = 2.000
_Herb Stratum_ (Plot size: 5' r )	=	Total Cover		Hydrophytic Vegetation Indicators:
				✓ Rapid Test for Hydrophytic Vegetation
1 Phalaris arundinacea	90	<b>✓</b>	FACW	✓ Dominance Test is > 50%
2. Persicaria pensylvanica	5		FACW	$\checkmark$ Prevalence Index is ≤3.0 $^1$
3. Symphyotrichum lanceolatum	2		FACW	Morphological Adaptations <sup>1</sup> (Provide supporting
4	0			data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6				
7				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
				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: n/a )	97 =	Total Cover		greater than 3.28 ft (1m) tall
1				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	et.)			
Hydrophytic vegetation present.	•			
, a. op., , a.c. vogetation p. coo				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

			the depth	needed to do				onfirm the	absence of indicators	s.)	
Depth (inches)	Color (r	Matrix moist)	%	Color (n		dox Feat %	tures Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Rer	narks
0-5	10YR	3/1		10YR	5/6	10	C	M	Silt Loam	fill material v	
5-10	10YR	5/4		7.5YR	4/6	5			Silty Clay Loam	fill material v	v/gravel
10+					., •					rock/gravel	
	-							-			
ype: C=Conc	entration. D	=Depletior	n. RM=Red	uced Matrix, C	S=Covere	ed or Coat	ted Sand Gr	ains <sup>2</sup> Loca	tion: PL=Pore Lining. N	√l=Matrix	
lydric Soil I	ndicators:								Indicators for Pr	oblematic Hydr	ic Soils: 3
Histosol (A	1)					w Surface	(S8) (LRR I	۲,		10) (LRR K, L, ML	
Histic Epip	edon (A2)				149B)	(50)	(1000 1411			Redox (A16) (LRR	-
Black Histi	. ,						(LRR R, MLI			eat or Peat (S3) (	
	Sulfide (A4)						1) LRR K, L	)	Dark Surface (S7) (LRR K, L, M)		
_	ayers (A5)				y Gieyed ted Matri:	Matrix (F2	2)		Polyvalue Below Surface (S8) (LRR K, L)		
_	Below Dark S		11)	✓ Redox			`		☐ Thin Dark Surface (S9) (LRR K, L)		
_	Surface (A1					. ,	•		☐ Iron-Manganese Masses (F12) (LRR K, L, R)		
¬ '	andy Muck Mineral (S1)				Depleted Dark Surface (F7)  Redox Depressions (F8)				Piedmont Floo	odplain Soils (F19)	(MLRA 149B)
_	yed Matrix (S	54)		recov	СБСРГСОС	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Mesic Spodic (TA6) (MLRA 144A, 145, 149		
Sandy Red									Red Parent Material (F21)		
☐ Stripped M	iatrix (S6) ice (S7) (LRR	D MIDA	140P)						☐ Very Shallow Dark Surface (TF12)		
			-						Other (Explain	in Remarks)	
Indicators of	hydrophytic	vegetatior	n and wetla	nd hydrology r	nust be p	oresent, u	ınless disturl	oed or probl	ematic.		
estrictive La	yer (if obse	erved):									
Type: <u>roc</u>	ck/gravel								Under Call Burner		
Depth (inch	es): <u>10</u>								Hydric Soil Presen	t? Yes 💿	No O
emarks:											
dric soil pre	esent.										

Project/Site: Maple Grove Drive Parcels			City/County:	Town of Verona/D	ane	Sampling	<b>Date:</b> 17-Sep-19
Applicant/Owner: Sun Prairie Self Stora	ge, LLC			State: WI	I	Sampling Point:	10
Investigator(s): Stautz/Stangel			Section, 1	ownship, Range:	<b>s.</b> 1	 3 т. 6N	<b>R.</b> 8E
Landform (hillslope, terrace, etc.):	Backslope		Local relief (	concave, convex, n	none)	: convex	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K		Lat.:		Long	g.:		Datum:
Soil Map Unit Name: Orion silt loam,	wet					NWI classification:	lone
Are climatic/hydrologic conditions on	the site ty	pical for this time of y	ear? Yo	es • No O	(If r	no, explain in Remarks.)	)
Are Vegetation $\square$ , Soil $\square$	, or Hydrolo	ogy 🗌 significant	tly disturbed?	Are "Normal	Circ	umstances" present?	Yes   No
Are Vegetation $\Box$ , Soil $\Box$	, or Hydrolo	ogy 🗌 naturally į	problematic?	(If needed, e	expla	in any answers in Rem	arks.)
Summary of Findings - Att	ach site	map showing s	sampling p	oint location	ıs, t	ransects, import	ant features, etc.
Hydrophytic Vegetation Present?	Yes O	No •					
Hydric Soil Present?	Yes $\bigcirc$	No 💿		e Sampled Area in a Wetland?	Υe	es O No 💿	
Wetland Hydrology Present?	Yes 🔾	No •	Wich	m a weaana.			
Remarks: (Explain alternative proc	edures here	or in a separate repo	ort.)				
I hadrala ma							
Hydrology							
Wetland Hydrology Indicators:		-hlll +h -+ \			$\overline{}$	ondary Indicators (minimu	m of 2 required)
Primary Indicators (minimum of one Surface Water (A1)	<u>requirea;</u>		2 (BO)			Surface Soil Cracks (B6) Drainage Patterns (B10)	
High Water Table (A2)		Water-Stained Lea 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)	•
Sediment Deposits (B2)		Oxidized Rhizosph	eres along Livin	g Roots (C3)		Saturation Visible on Aeria	al Imagery (C9)
Drift deposits (B3)		Presence of Reduc	ced Iron (C4)			Stunted or Stressed Plants	s (D1)
Algal Mat or Crust (B4)		Recent Iron Reduce	ction in Tilled So	ils (C6)		Geomorphic Position (D2)	
☐ Iron Deposits (B5)	(07)	Thin Muck Surface	e (C7)			Shallow Aquitard (D3)	
<ul><li>Inundation Visible on Aerial Imagery</li><li>Sparsely Vegetated Concave Surface</li></ul>		Other (Explain in I	Remarks)			Microtopographic Relief (I FAC-neutral Test (D5)	04)
Sparsery vegetated concave surface	(50)					FAC-fledtral Test (D5)	
Field Observations: Surface Water Present? Yes	No •	Double (in the co).					
		Depth (inches):	-	_			
		Depth (inches):		Wetland Hydr	rolog	y Present? Yes	No 💿
(includes capillary fringe) Yes		Depth (inches):					
Describe Recorded Data (stream gain NRCS WETS Table (DANE COUNTY			• •	•			5
Remarks:							
Wetland hydrology not present.							
Wedana nyarology not present							

	Absolute		Indicator	Dominance Test worksheet:
	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:0(A)
2	0			
3				Total Number of Dominant
				Species Across All Strata: (B)
4				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 0.0% (A/B)
6				
7	0			Prevalence Index worksheet:
(Plot size, 151 r	0 =	Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' r )				OBL species 0 x 1 = 0
1 _ Juglans nigra	2		FACU	FACW species 12 x 2 = 24
2. Lonicera x bella	1		FACU	i i
3				FAC species $0 \times 3 = 0$
4				FACU species 93 x 4 = 372
5				UPL species $\frac{3}{}$ x 5 = $\frac{15}{}$
				Column Totals:108 (A)411 (B)
6				
7				Prevalence Index = B/A = 3.806
_Herb Stratum_ (Plot size: 5' r )	3 =	Total Cover		Hydrophytic Vegetation Indicators:
				Rapid Test for Hydrophytic Vegetation
1 Solidago canadensis	90	<b>✓</b>	FACU	Dominance Test is > 50%
2. Symphyotrichum lanceolatum			FACW	Prevalence Index is ≤3.0 <sup>1</sup>
3. Agrostis gigantea			FACW	Morphological Adaptations <sup>1</sup> (Provide supporting
4. Asclepias syriaca	1		UPL	data in Remarks or on a separate sheet)
5. Pastinaca sativa	2		UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6	0			
7				<sup>1</sup> 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 at breast height (DBH), regardless of height.
11				at breast height (DBH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
_Woody Vine Stratum (Plot size: n/a )	105 =	Total Cover		greater than 3.28 ft (1m) tall
1				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
2				Size, and woody plants less than 5.20 it tall.
3				Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	Total Cover		
				Hydrophytic
				Vegetation Present?  Yes ○ No ●
				Present? Yes V NO S
Remarks: (Include photo numbers here or on a separate she	et.)			
Hydrophytic vegetation not present.				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

(inches)	Matri			dox Featur							
	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc2	Texture	Rema	arks		
0-8	10YR 3/1						Silty Clay Loam				
8-24	10YR 5/3	60	10YR5/6	20	C		Silty Clay				
8-24	10YR 3/1	40					Silty Clay Loam				
							-				
Гуре: C=Concer	ntration. D=Deple	etion. RM=Redu	uced Matrix, CS=Cover	ed or Coated	d Sand Gr	ains <sup>2</sup> Loca	tion: PL=Pore Lining. M=Ma	trix			
lydric Soil Ind			<u> </u>				Indicators for Proble		Soils: 3		
Histosol (A1)			Polyvalue Belo	w Surface (S	58) (LRR F	,					
Histic Epiped	don (A2)		MLRA 149B)				2 cm Muck (A10) (I Coast Prairie Redox				
Black Histic (	(A3)		☐ Thin Dark Surf			=	5 cm Mucky Peat o				
Hydrogen Su	ulfide (A4)		Loamy Mucky		LRR K, L)		Dark Surface (S7)				
Stratified Lay			Loamy Gleyed				Polyvalue Below Surface (S8) (LRR K, L)				
_	elow Dark Surface	(A11)	Depleted Matri				Thin Dark Surface (S9) (LRR K, L)				
_	Surface (A12)		Depleted Dark	. ,	``		☐ Iron-Manganese Ma				
_ '	Mineral (S1)		Redox Depress	•	)		☐ Piedmont Floodplain Soils (F19) (MLRA 149B)				
_	ed Matrix (S4)		Redox Depres.	3013 (10)			Mesic Spodic (TA6)	(MLRA 144A,	145, 149B)		
Sandy Redox							Red Parent Material (F21)				
Stripped Mat		DA 140D)					Very Shallow Dark Surface (TF12)				
	e (S7) (LRR R, ML	•					Uther (Explain in R	emarks)			
<sup>3</sup> Indicators of hy	ydrophytic vegeta	ation and wetlar	nd hydrology must be	oresent, unle	ess disturt	ed or proble	ematic.				
Restrictive Lay	er (if observed)	):									
Type: n/a							Under Call Days and		🔘		
1 ypc. 11/a							Hydric Soil Present?	Yes O	No 💿		
Depth (inches	es):										
Depth (inches	·s):										
Depth (inches		present betw	veen the upper 2 lay	/ers.							
Depth (inches		present betw	veen the upper 2 lay	ers.							
Depth (inches		present betw	veen the upper 2 lay	ers.							
Depth (inches		present betw	veen the upper 2 lay	/ers.							
Depth (inches		present betw	veen the upper 2 lay	/ers.							
Depth (inches		present betw	veen the upper 2 lay	/ers.							
Depth (inches		present betw	veen the upper 2 lay	ers.							
Depth (inches		present betw	veen the upper 2 lay	ers.							
Depth (inches		present betw	veen the upper 2 lay	/ers.							
Depth (inches		present betw	veen the upper 2 lay	ers.							
Depth (inches		present betv	veen the upper 2 lay	ers.							
Depth (inches		present betv	veen the upper 2 lay	/ers.							
Depth (inches		present betv	veen the upper 2 lay	ers.							
Depth (inches		present betv	veen the upper 2 lay	ers.							
Depth (inches		present betv	veen the upper 2 lay	ers.							
Depth (inches		present betv	veen the upper 2 lay	ers.							
Depth (inches		present betv	veen the upper 2 lay	ers.							

Project/Site: Maple Grove Drive Parcel	s		City/County:	Town of Verona/D	oane s	Sampling Date: 17-Sep-19
Applicant/Owner: Sun Prairie Self Stor	age, LLC			State: WI	Sampling P	oint: 11
Investigator(s): Stautz/Stangel			Section, To	ownship, Range:	<b>s.</b> 13 <b>t.</b> 6N	<b>R.</b> 8E
Landform (hillslope, terrace, etc.):	Backslope		_	oncave, convex, n		Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K		Lat.:		Long	 j.:	Datum:
Soil Map Unit Name: Orion silt loam	, wet				NWI classific	ation: None
Are climatic/hydrologic conditions o	n the site tv	pical for this time of v	<sub>rear?</sub> Ye	s   No	— (If no, explain in R	demarks.)
Are Vegetation, Soil	, or Hydrold		tly disturbed?	Are "Normal	Circumstances" pre	
Are Vegetation, Soil	, or Hydrold		problematic?		explain any answers	
Summary of Findings - At		· ·				•
Hydrophytic Vegetation Present?	Yes O	No •	,		, (141150005)	
Hydric Soil Present?	Yes O	No •		Sampled Area	Yes O No 💿	
•	Yes O	No •	withi	n a Wetland?	res U NO U	
Wetland Hydrology Present?  Remarks: (Explain alternative production)						
Hydrology						
Wetland Hydrology Indicators:  Primary Indicators (minimum of or	o roquirod:	chack all that apply)				s (minimum of 2 required)
Surface Water (A1)	e required,	Water-Stained Lea	avoc (RO)		Surface Soil Crac Drainage Patterr	
High Water Table (A2)		Aquatic Fauna (B1	` ,		Moss Trim Lines	• •
Saturation (A3)		Marl Deposits (B1	-		Dry Season Wat	• •
☐ Water Marks (B1)		Hydrogen Sulfide	-		Crayfish Burrows	s (C8)
Sediment Deposits (B2)		Oxidized Rhizosph	eres along Living	Roots (C3)	Saturation Visibl	le on Aerial Imagery (C9)
Drift deposits (B3)		Presence of Redu	ced Iron (C4)		Stunted or Stres	sed Plants (D1)
☐ Algal Mat or Crust (B4)		Recent Iron Redu	ction in Tilled Soil	s (C6)	Geomorphic Pos	
Iron Deposits (B5)	(DZ)	Thin Muck Surface	` '		Shallow Aquitard	
<ul><li>Inundation Visible on Aerial Imager</li><li>Sparsely Vegetated Concave Surface</li></ul>		Other (Explain in I	Remarks)		<ul><li>✓ Microtopographi</li><li>✓ FAC-neutral Tes</li></ul>	
Sparsely vegetated contave surface	2 (50)				TAC-fleutidi Tes	(03)
Field Observations: Surface Water Present? Yes	No 💿					
		Depth (inches):				
Water Table Present? Yes		Depth (inches):		Wetland Hydr	rology Present?	Yes O No •
Saturation Present? (includes capillary fringe) Yes	No 💿	Depth (inches):		Troduna rryan		
Describe Recorded Data (stream ga	_	= -				
NRCS WETS Table (DANE COUNTY	REGIONAL	AP, WI); NOAA AHPS	90day % Norr	nal Precip Map; a	and 1997-2017 aeri	al photos
Remarks:						
Wetland hydrology not present.						
						ļ

VEGETATION - Ose scientific fiames of pla	1103			Sampling Point: 11
Tree Stratum (Plot size: 30' r )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
4. Tuelene niene				Number of Dominant Species
1. Juglans nigra		<b>✓</b>	FACU	That are OBL, FACW, or FAC: (A)
2. Lonicera x bella		<b>✓</b>	FACU	Total Number of Dominant
3				Species Across All Strata:5(B)
4				Bound of deminant Consis
5				Percent of dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B)
6				That the obly then, of the
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' r )	25=	= Total Cove	r	Total % Cover of: Multiply by:  OBL species 0
1 Sambucus nigra ssp. canadensis	10	<b>✓</b>	FACW	
2. Lonicera x bella	_ 5	<u></u>	FACU	FACW species $85 \times 2 = 170$
3				FAC species $0 \times 3 = 0$
4	-			FACU species x 4 =
5				UPL species $\frac{10}{}$ x 5 = $\frac{50}{}$
6				Column Totals: <u>150</u> (A) <u>440</u> (B)
7				Prevalence Index = B/A = 2.933
		= Total Cove		
Herb Stratum (Plot size: 5' r )		- rotar cove	•	Hydrophytic Vegetation Indicators:
1 Phalaris arundinacea	75	<b>✓</b>	FACW	Rapid Test for Hydrophytic Vegetation
2 Poa pratensis			FACU	Dominance Test is > 50%
3. Pastinaca sativa			UPL	✓ Prevalence Index is ≤3.0 <sup>1</sup>
			FACU	Morphological Adaptations <sup>1</sup> (Provide supporting
4. <u>Cirsium arvense</u> 5.				data in Remarks or on a separate sheet)
				☐ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				
0				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
1				at breast height (DBH), regardless of height.
2	-			Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: n/a )	110 =	= Total Cove	r	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 Cove	r	
				Hydrophytic Vegetation
				Present? Yes No •
Remarks: (Include photo numbers here or on a separate sh	eet.)			
Hydrophytic vegetation not present.	- J <del></del> ,			
,				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Profile Descri Depth		ribe to Matrix	the depth	needed to document the inc Redox Fea		firm the	absence of indicators	.)			
(inches)	Color (m		%	Color (moist) %		Loc2	Texture	Remarks			
0-9	10YR	3/1					Silty Clay Loam				
9-24	10YR	5/4	50				Clay Loam	fill material w/ gravel			
9-24		3/1	30				Silty Clay Loam	fill material w/ gravel			
9-24		4/2	20				Clay Loam	fill material w/ gravel			
		-,-					Gidy Lodini				
Type: C=Cond	centration. D=	Depletio	n. RM=Red	uced Matrix, CS=Covered or Co	ated Sand Grair	ns <sup>2</sup> Loca	tion: PL=Pore Lining. N	1=Matrix			
Hydric Soil I	ndicators:						Indicators for Pr	oblematic Hydric Soils: 3			
Histosol (A	•			Polyvalue Below Surface MLRA 149B)	ce (S8) (LRR R,			10) (LRR K, L, MLRA 149B)			
	pedon (A2)			Thin Dark Surface (S9)	ι (IRRR MIRΔ	149R)		Redox (A16) (LRR K, L, R)			
Black Hist	` '			Loamy Mucky Mineral (		1430)	5 cm Mucky P	eat or Peat (S3) (LRR K, L, R)			
	Sulfide (A4) Layers (A5)			Loamy Gleyed Matrix (				(S7) (LRR K, L, M)			
_	Below Dark Su	ırface (A	11)	Depleted Matrix (F3)	,		Polyvalue Below Surface (S8) (LRR K, L)				
	k Surface (A12		/	Redox Dark Surface (Fe	6)		Thin Dark Surface (S9) (LRR K, L)				
_	ck Mineral (S1			Depleted Dark Surface	(F7)		☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)				
Sandy Gle	eyed Matrix (S4	4)		Redox Depressions (F8	3)			(TA6) (MLRA 144A, 145, 149B)			
Sandy Red	dox (S5)						Red Parent Ma				
_	Matrix (S6)							Dark Surface (TF12)			
Dark Surfa	ace (S7) (LRR	R, MLRA	149B)				Other (Explain	ı in Remarks)			
<sup>3</sup> Indicators of	hydrophytic v	egetatio	n and wetla	nd hydrology must be present,	unless disturbe	d or proble	ematic.				
Restrictive La	ayer (if obse	rved):									
Type: _n/	a										
Depth (incl	hes):						Hydric Soil Presen	t? Yes O No 💿			
Remarks:											
ydric soil no	t present.										

<b>Project/Site:</b> Maple Grove Drive Parcels			City/County:	Town of Verona/D	ane Sa	ampling Date: 17-Sep-19
Applicant/Owner: Sun Prairie Self Storage	ge, LLC			State: WI	Sampling Po	int: 12
Investigator(s): Stautz/Stangel			Section, To	ownship, Range:	<b>s.</b> 13 <b>t.</b> 6N	<b>R.</b> 8E
Landform (hillslope, terrace, etc.):	oeslope		_	oncave, convex, n		Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K		Lat.:		Long	j.:	Datum:
Soil Map Unit Name: Orion silt loam,	wet				NWI classifica	tion: E1K
Are climatic/hydrologic conditions on	the site typ	oical for this time of y	ear? Ye	s • No O	(If no, explain in Re	emarks.)
Are Vegetation, Soil	or Hydrolo	av significant	ly disturbed?	Are "Normal	Circumstances" pres	·
	or Hydrolo		problematic?		explain any answers	
Summary of Findings - Att	•			•		•
Hydrophytic Vegetation Present?		No O				
Hydric Soil Present?		No O		Sampled Area n a Wetland?	Yes 💿 No 🔾	
Wetland Hydrology Present?	Yes	No O				
Hudrology						
Hydrology						
Wetland Hydrology Indicators: Primary Indicators (minimum of one	roquirod:	shock all that apply)				(minimum of 2 required)
Surface Water (A1)	required, (	Water-Stained Lea	woc (RO)		Surface Soil Crack Drainage Patterns	
✓ High Water Table (A2)		Aquatic Fauna (B1	. ,		Moss Trim Lines	
✓ Saturation (A3)		Marl Deposits (B1!	-		Dry Season Wate	` ,
☐ Water Marks (B1)		Hydrogen Sulfide	-		Crayfish Burrows	(C8)
Sediment Deposits (B2)		Oxidized Rhizosph	eres along Living	Roots (C3)	Saturation Visible	on Aerial Imagery (C9)
Drift deposits (B3)		Presence of Reduc	ced Iron (C4)		Stunted or Stress	` '
☐ Algal Mat or Crust (B4)		Recent Iron Reduc	ction in Tilled Soil	s (C6)	✓ Geomorphic Posit	` '
Iron Deposits (B5)	(DZ)	Thin Muck Surface	` '		Shallow Aquitard	
☐ Inundation Visible on Aerial Imagery☐ Sparsely Vegetated Concave Surface		Other (Explain in F	Remarks)		✓ Microtopographic ✓ FAC-neutral Test	
Field Observations: Surface Water Present?  Yes	No O	<b>D</b> 11 (2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1				
		Depth (inches):	3			
Water Table Present? Yes •	No O	Depth (inches):	0	Wetland Hydr	ology Present?	Yes   No
Saturation Present? (includes capillary fringe)  Yes	No O	Depth (inches):				
Describe Recorded Data (stream gau NRCS WETS Table (DANE COUNTY F	_					l photos
Remarks:						
Wetland hydrology present.						

	Absolute		Indicator	Dominance Test worksheet:
	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:1 (A)
2	0			
3				Total Number of Dominant
				Species Across All Strata: (B)
4				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 100.0% (A/B)
6				
7	0			Prevalence Index worksheet:
(Plot size, n/a	0 =	Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: n/a )				OBL species2 x 1 =2
1	0			FACW species 100 x 2 = 200
2	0			FAC species $0 \times 3 = 0$
3				·
4				FACU species $0 \times 4 = 0$
5	-			UPL species $0 \times 5 = 0$
				Column Totals: <u>102</u> (A) <u>202</u> (B)
6				
7				Prevalence Index = B/A = <u>1.980</u>
_Herb Stratum_ (Plot size: 5' r )	=	: Total Cover		Hydrophytic Vegetation Indicators:
				✓ Rapid Test for Hydrophytic Vegetation
1 . Phalaris arundinacea	_100_	<b>✓</b>	FACW_	✓ Dominance Test is > 50%
2. Typha x glauca			OBL	✓ Prevalence Index is ≤3.0 <sup>1</sup>
3	0			Morphological Adaptations <sup>1</sup> (Provide supporting
4	0			data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6				
7				<sup>1</sup> 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 at breast height (DBH), regardless of height.
11				at breast height (DBH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
_Woody Vine Stratum (Plot size: n/a )	102 =	: Total Cover		greater than 3.28 ft (1m) tall
	•			
1				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
2	0			size, and woody plants less than 3.20 it tall.
3				Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	Total Cover		
				Hydrophytic
				Vegetation Present?  Yes  No
				Present? Yes No U
Remarks: (Include photo numbers here or on a separate she	et.)			
Hydrophytic vegetation present.				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

(inches)		Matrix				dox Feat				_	
	Color (n		%	Color (	moist)	%	Type 1	Loc2	Texture	Rema	rks
0-15	10YR	2/1							Silty Clay Loam		
15-24		5/1		10YR	5/8		C		Silty Clay		
					-				-		
					-	_					
					-						
						_					
Type: C=Con	centration D=	=Denletion	RM=Redi	red Matrix	CS=Cover	ed or Coat	ed Sand Gr	ains 21 oca	tion: PL=Pore Lining. M=M	atriy	
Hydric Soil I		-Берісцої	i. Ri I—Redi	acca Madix,		cu or cour	ca Sana Gr	JII 15 LOCC			3
Histosol (				Polya	ralue Relo	w Surface	(S8) (LRR F	,	Indicators for Probl		
	pedon (A2)			MLR	A 149B)	W Surface	(30) (LIXIX I	-1	2 cm Muck (A10)		
Black Hist				Thin	Dark Surf	face (S9) (	LRR R, MLF	A 149B)	Coast Prairie Redo		
	Sulfide (A4)			Loan	ny Mucky	Mineral (F	1) LRR K, L)		5 cm Mucky Peat		R K, L, R)
	Layers (A5)			Loan	ny Gleyed	Matrix (F2	2)		Dark Surface (S7)		
Depleted	Below Dark Su	urface (A1	1)		eted Matr				Polyvalue Below S Thin Dark Surface		
✓ Thick Darl	k Surface (A12	2)				ırface (F6)			☐ Iron-Manganese N		
Sandy Mu	ıck Mineral (S1	1)				Surface (F	7)		Piedmont Floodpla		
☐ Sandy Gle	eyed Matrix (S	4)		☐ Redo	x Depres	sions (F8)			Mesic Spodic (TA6		
Sandy Red	dox (S5)								Red Parent Materi		1.57 1.55)
Stripped N	Matrix (S6)								Very Shallow Dark		
☐ Dark Surfa	ace (S7) (LRR	R, MLRA	149B)						Other (Explain in I		
3 .		vegetation	and wetla	nd hydrology	must be	present, ur	nless disturt	ed or probl	ematic.		
Indicators of	f hydrophytic v										
		erved):									
Restrictive La	ayer (if obse	erved):							Hydric Soil Present?	Yes 💿 I	No 🔾
Restrictive La	<b>ayer (if obse</b> ⁄a	erved):							riyuric 3011 Present:	res 💌 i	10 9
Restrictive La Type: <u>n/</u> Depth (incl	<b>ayer (if obse</b> ⁄a	erved):							Tryunc 3011 Present:	Yes 🔍 I	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							nyunc son Fresent:	Yes 🥯 I	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes 🤏 I	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes 🥥 I	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes ⊚ I	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							nyunc son Presence	Yes 🤟 I	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							nyunc son Presence	Yes 🤟 I	·
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes ⊚ I	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes ⊚ I	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes 🤟 I	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes 🤟 I	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes 🤟	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes 🤟	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes 🤟	
<b>Restrictive L</b> i Type: <u>n/</u> Depth (incl	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes 🤟	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes 🤟	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes 🤟	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes 🤟	
Restrictive La Type: _n/ Depth (incl Remarks:	ayer (if obse /a hes):	erved):							Tryunc 3011 Present:	Yes (e)	

Project/Site: Maple Grove Drive Parcels	<u>;</u>		City/County:	Town of Verona/D	Dane	Sampling	<b>Date:</b> 17-Sep-19
Applicant/Owner: Sun Prairie Self Stora	ige, LLC			State: WI	[	Sampling Point:	13
Investigator(s): Stautz/Stangel			Section, T	ownship, Range:	<b>s.</b> 1	 3 <b>т.</b> 6N	<b>R.</b> 8E
Landform (hillslope, terrace, etc.):	Backslope		Local relief (c	concave, convex, n	none)	: convex	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K		Lat.:		Long	g.:		Datum:
Soil Map Unit Name: Orion silt loam,	wet					NWI classification:	lone
Are climatic/hydrologic conditions on	the site ty	pical for this time of y	ear? Ye	es   No	(If n	o, explain in Remarks.	)
Are Vegetation $\ \square$ , Soil $\ \square$	, or Hydrold	ogy 🗌 significant	ly disturbed?	Are "Normal	Circ	umstances" present?	Yes   No
Are Vegetation $\  \  \  \  \  \  \  \  \  \  \  $ , Soil $\  \  \  \  \  \  \  \  \  \  \  \  \ $	, or Hydrolo	ogy 🗌 naturally p	roblematic?	(If needed, e	expla	in any answers in Rem	arks.)
Summary of Findings - Att	ach site	map showing s	ampling p	oint location	ıs, t	ransects, import	ant features, etc.
Hydrophytic Vegetation Present?	Yes 🔾	No •					
Hydric Soil Present?	Yes $\bigcirc$	No 💿		e Sampled Area in a Wetland?	Υe	s O No 💿	
Wetland Hydrology Present?	Yes 🔾	No •					
Hydrology							
Wetland Hydrology Indicators:						ondary Indicators (minimu	m of 2 required)
Primary Indicators (minimum of one Surface Water (A1)	<u>e required;</u>		was (BO)			Surface Soil Cracks (B6) Drainage Patterns (B10)	
High Water Table (A2)		Water-Stained Lea Aquatic Fauna (B1	. ,			Moss Trim Lines (B16)	
Saturation (A3)		Marl Deposits (B15	-			Dry Season Water Table (	C2)
☐ Water Marks (B1)		Hydrogen Sulfide	-			Crayfish Burrows (C8)	•
Sediment Deposits (B2)		Oxidized Rhizosph	eres along Living	g Roots (C3)		Saturation Visible on Aeria	al Imagery (C9)
Drift deposits (B3)		Presence of Reduc	ced Iron (C4)			Stunted or Stressed Plants	s (D1)
Algal Mat or Crust (B4)		Recent Iron Reduc	ction in Tilled So	ils (C6)	Ц	Geomorphic Position (D2)	
☐ Iron Deposits (B5)	(07)	Thin Muck Surface	(C7)		Н	Shallow Aquitard (D3)	
<ul><li>Inundation Visible on Aerial Imagery</li><li>Sparsely Vegetated Concave Surface</li></ul>		Other (Explain in F	Remarks)			Microtopographic Relief (I FAC-neutral Test (D5)	04)
Sparsely vegetated concave surface	(50)					rac-neutral rest (D5)	
Field Observations: Surface Water Present?  Yes	No 💿	Double (in all an)					
		Depth (inches):	-	-			
		Depth (inches):		- Wetland Hydr	rolog	y Present? Yes	No 💿
(includes capillary fringe) Yes		Depth (inches):		-			
Describe Recorded Data (stream gain NRCS WETS Table (DANE COUNTY							5
Remarks:							
Wetland hydrology not present.							
Transition of the present							

(2)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' r )	% Cover	Species?	Status	Number of Dominant Species
1 _ Juglans nigra	50	<b>✓</b>	FACU	That are OBL, FACW, or FAC:1 (A)
2	0			
3				Total Number of Dominant
				Species Across All Strata: 3 (B)
4				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 33.3% (A/B)
6	0			
7	0			Prevalence Index worksheet:
(District 151 m)	50 =	= Total Cove	•	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' r )				OBL species
1. Lonicera x bella	10	<b>✓</b>	FACU	FACW species 90 x 2 = 180
2	0			i i
3	0			FAC species $0 \times 3 = 0$
4				FACU species $\frac{72}{}$ x 4 = $\frac{288}{}$
	-			UPL species $\frac{2}{}$ x 5 = $\frac{10}{}$
5				Column Totals: <u>164</u> (A) <u>478</u> (B)
<u>6</u>			-	
7	0			Prevalence Index = $B/A = 2.915$
Herb Stratum (Plot size: 5' r )	10=	= Total Cove	•	Hydrophytic Vegetation Indicators:
Herb Stratum (1 lot size. 5 1				Rapid Test for Hydrophytic Vegetation
1 . Phalaris arundinacea	90	✓	FACW	Dominance Test is > 50%
2. Poa pratensis	10		FACU	
3. Circaea canadensis	2		FACU	<b>V</b> Prevalence Index is ≤3.0 <sup>1</sup>
4. Pastinaca sativa			UPL	Morphological Adaptations <sup>1</sup> (Provide supporting
5				data in Remarks or on a separate sheet)
				☐ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				
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 Cove		Sapling/shrub - Woody plants less than 3 in. DBH and
_Woody Vine Stratum (Plot size: _n/a)	101	- 10441 00101		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.
	0			
3				Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cove	•	
				Hydrophytic
				Vegetation Present?  Yes ○ No ●
				Present: 100 0 No 0
Remarks: (Include photo numbers here or on a separate she	et.)			
Hydrophytic vegetation not present.				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Profile Descri Depth		cribe to Matrix	tne depth	needed to d		t the indi dox Feat		onfirm the	absence of indicators.)			
(inches)	Color (r		<u>%</u>	Color (		www.reat	Type_1	Loc2	Texture	Remarks		
0-9	10YR	2/2							Silty Clay Loam			
9-16	10YR	5/4		7.5YR	5/6	5	С С	M	Silty Clay			
16-18	10YR	4/3	70	-	-				Silty Clay Loam			
16-18	10YR	3/1	30	-	-				Silty Clay Loam			
18+		- 3/1			-				Silty Clay Loan	rock		
			-		-							
				-	-							
Type: C=Cond	entration. D	=Depletio	n. RM=Red	uced Matrix, (	CS=Covere	ed or Coat	ted Sand Gr	ains <sup>2</sup> Loca	ation: PL=Pore Lining. M=M	atrix		
Hydric Soil I	ndicators:								Indicators for Problem	ematic Hydric Soils: 3		
Histosol (A	<b>A1)</b>					w Surface	(S8) (LRR F	۲,		(LRR K, L, MLRA 149B)		
_	edon (A2)				N 149B) Dark Surf:	aca (CO)	(LRR R, MLF	Δ 1/10Ρ\		x (A16) (LRR K, L, R)		
Black Histi	. ,									or Peat (S3) (LRR K, L, R)		
	Sulfide (A4)	Loamy Mucky Mineral (F1) LRR K, L) Loamy Gleyed Matrix (F2)					Dark Surface (S7) (LRR K, L, M)					
	Layers (A5) Below Dark S	v Dark Surface (A11)  Depleted Matrix (F3)						Polyvalue Below Surface (S8) (LRR K, L)				
	Surface (A1	Durk Surface (AII)						☐ Thin Dark Surface				
_	ck Mineral (S			Deple	eted Dark	Surface (I	F7)		☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)			
_ ′	yed Matrix (S	•		Redo	x Depress	sions (F8)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Sandy Rec	dox (S5)								Red Parent Material (F21)			
Stripped M	1atrix (S6)								Very Shallow Dark Surface (TF12)			
☐ Dark Surfa	ace (S7) (LRR	R R, MLRA	149B)						Other (Explain in I	Remarks)		
<sup>3</sup> Indicators of	hydrophytic	vegetatio	n and wetla	and hydrology	must be p	oresent, u	nless disturt	oed or probl	ematic.			
Restrictive La	yer (if obse	erved):										
Type: <u>ro</u>	ck											
Depth (inch	nes): <u>18</u>								Hydric Soil Present?	Yes O No •		
Remarks:												
lydric soil no	t present.											

Project/Site: Maple Grove Drive Parce	els		City/County:	Town of Verona/D	ane Sai	mpling Date: 17-Sep-19
Applicant/Owner: Sun Prairie Self Sto	rage, LLC			State: WI	Sampling Poi	nt: 14
Investigator(s): Stautz/Stangel			Section, To	ownship, Range:	<b>s.</b> 13 <b>t.</b> 6N	<b>R.</b> 8E
Landform (hillslope, terrace, etc.):	Toeslope		_	oncave, convex, n		Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K		Lat.:		Long	j.:	Datum:
Soil Map Unit Name: Orion silt loan	n, wet				NWI classificat	ion: None
Are climatic/hydrologic conditions	on the site tv	pical for this time of w	<sub>rear?</sub> Ye	s • No O	— (If no, explain in Rer	marks.)
Are Vegetation, Soil	, or Hydrol		tly disturbed?	Are "Normal	Circumstances" pres	· · · ·
Are Vegetation , Soil .	, or Hydrol		problematic?		explain any answers i	
Summary of Findings - A	•			,		•
Hydrophytic Vegetation Present?	Yes •	No O			· ·	<u> </u>
Hydric Soil Present?	Yes 💿	No O		Sampled Area n a Wetland?	Yes   No	
Wetland Hydrology Present?	Yes 💿	No O	, vicini	i a wedana.		
Hydrology						
Wetland Hydrology Indicators:						minimum of 2 required)
Primary Indicators (minimum of o	ne required;		(00)		Surface Soil Cracks	
✓ Surface Water (A1) ✓ High Water Table (A2)		Water-Stained Lea Aquatic Fauna (B1	. ,		☐ Drainage Patterns ☐ Moss Trim Lines (E	
Saturation (A3)		Marl Deposits (B1	-		Dry Season Water	•
Water Marks (B1)		Hydrogen Sulfide	-		Crayfish Burrows (	` '
Sediment Deposits (B2)		Oxidized Rhizosph	. ,	Roots (C3)	_ '	on Aerial Imagery (C9)
Drift deposits (B3)		Presence of Reduc			Stunted or Stresse	ed Plants (D1)
Algal Mat or Crust (B4)		Recent Iron Reduc	ction in Tilled Soil	s (C6)	✓ Geomorphic Position	on (D2)
☐ Iron Deposits (B5)		Thin Muck Surface	e (C7)		Shallow Aquitard (	·
<ul><li>Inundation Visible on Aerial Image</li><li>Sparsely Vegetated Concave Surfa</li></ul>		Other (Explain in I	Remarks)		<ul><li>✓ Microtopographic I</li><li>✓ FAC-neutral Test (</li></ul>	
Spaisely vegetated Concave Suna	.e (bb)				▼ FAC-neutral Test (	D5)
Field Observations: Surface Water Present?  Yes	No O	Donth (inches)	г			
		Depth (inches):				
Water Table Present? Yes		Depth (inches):	0	Wetland Hvdr	ology Present?	∕es ● No ○
Saturation Present? (includes capillary fringe) Yes	No O	Depth (inches):	0			
Describe Recorded Data (stream g NRCS WETS Table (DANE COUNT	_	-				photos
Remarks:						
Wetland hydrology present.						

Tree Stratum (Plot size: 30' r )	Absolute	0	Indicator	Dominance Test worksheet:	
	% Cover		Status	Number of Dominant Species	
1. Populus deltoides	5	✓	FAC	That are OBL, FACW, or FAC:3	(A)
2. Salix nigra	5	✓	OBL	Total Number of Dominant	
3	0			Species Across All Strata: 3	(B)
4					( )
5				Percent of dominant Species	( . ( <del>-</del> )
6		П		That Are OBL, FACW, or FAC: 100.0%	(A/B)
7.				Prevalence Index worksheet:	
1					
Sapling/Shrub Stratum (Plot size: n/a )	=	Total Cover		Total % Cover of: Multiply by:	
1	0			OBL species <u>5</u> x 1 = <u>5</u>	
2				FACW species <u>91</u> x 2 = <u>182</u>	
				FAC species $5 \times 3 = 15$	
3				FACU species $0 \times 4 = 0$	
4				UPL species $0 \times 5 = 0$	
5					(B)
6	0			Column Totals: <u>101</u> (A) <u>202</u>	(6)
7	0			Prevalence Index = B/A =2.000_	
	0 =	Total Cover		Hydrophytic Vegetation Indicators:	
Herb Stratum (Plot size: 5' r )				Rapid Test for Hydrophytic Vegetation	
1 . Phalaris arundinacea	90_	✓	FACW		
2. Symphyotrichum lanceolatum	1		FACW	✓ Dominance Test is > 50%	
3				✓ Prevalence Index is ≤3.0 <sup>1</sup>	
				Morphological Adaptations <sup>1</sup> (Provide support	rting
4				data in Remarks or on a separate sheet)	
5				☐ Problematic Hydrophytic Vegetation <sup>1</sup> (Expla	in)
6				1 To disease of budgie sell and wellend budgets may	
7				<sup>1</sup> Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic.	must
8	0				
9	0			Definitions of Vegetation Strata:	
10				Tree - Woody plants, 3 in. (7.6 cm) or more in dia	meter
11				at breast height (DBH), regardless of height.	
12		ī			
12.		Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH	and
Woody Vine Stratum (Plot size: n/a )		- rotal core		greater than 3.28 ft (1m) tall	
1	0			Herb - All herbaceous (non-woody) plants, regard	less of
2	0	$\overline{\Box}$		size, and woody plants less than 3.28 ft tall.	
2	0				
3	0	$\Box$		Woody vine - All woody vines greater than 3.28 ft height.	ın
4				neight.	
		Total Cover			
				Hydrophytic	
				Vegetation   Present?	
Remarks: (Include photo numbers here or on a separate she	et.)				
Hydrophytic vegetation present.					

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

		Matrix			Re	edox Feat			_				
(inches)	Color (n		%	Color	(moist)	%	Type <sup>1</sup>	Loc2	Texture	Remarks			
0-12	10YR	2/1		7.5YR	4/6	20	С	М	Silty Clay				
12-24	10YR	5/1		10YR	4/6	20	С	М	Silty Clay				
				-									
				-				-		*			
				-						-			
					-								
				-									
					-			-					
										-			
		=Depletior	n. RM=Redu	iced Matrix,	CS=Cover	red or Coa	ted Sand Gr	ains <sup>2</sup> Loca	ation: PL=Pore Lining. M=M				
Hydric Soil 1									Indicators for Probl	ematic Hydric Soils: 3			
Histosol (	•				rvalue Belo RA 149B)	ow Surface	(S8) (LRR I	₹,	2 cm Muck (A10)	(LRR K, L, MLRA 149B)			
	pedon (A2)				,	face (S9)	(LRR R, MLI	RA 149B)	Coast Prairie Redo	ox (A16) (LRR K, L, R)			
Black Hist	Sulfide (A4)						1) LRR K, L		5 cm Mucky Peat	or Peat (S3) (LRR K, L, R)			
	Layers (A5)					Matrix (F			Dark Surface (S7)				
	Below Dark Su	urface (A1	11)		leted Matr					Surface (S8) (LRR K, L)			
= .	k Surface (A12	•	/	<b>✓</b> Red	ox Dark Sı	urface (F6)	)		Thin Dark Surface				
_	ıck Mineral (S1	•		☐ Dep	leted Dark	Surface (	F7)		☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)				
	eyed Matrix (S	•		Red	ox Depres	sions (F8)							
Sandy Re									Red Parent Mater	5) (MLRA 144A, 145, 149B)			
Stripped I	Matrix (S6)								Very Shallow Dark	` '			
									Other (Explain in				
	ace (S7) (LRR	R, MLRA	149B)										
☐ Dark Surf	ace (S7) (LRR			nd hydrolog	v must be	nresent. u	nless disturl	ned or probl	` '	· · · · · · · · · · · · · · · · · · ·			
Dark Surf	face (S7) (LRR	vegetation		nd hydrolog	y must be	present, u	nless disturl	oed or probl	` '				
Dark Surf	face (S7) (LRR  f hydrophytic v  ayer (if obse	vegetation		nd hydrolog	y must be	present, u	nless disturl	oed or prob	` '				
Dark Surf.  3Indicators of  Restrictive L.  Type: _n/	face (S7) (LRR  f hydrophytic v  ayer (if obse	vegetation		nd hydrolog	y must be	present, u	nless disturl	oed or prob	` '	,			
Dark Surf.  3Indicators of  Restrictive L  Type: _n/  Depth (inc.)	face (S7) (LRR  f hydrophytic v  ayer (if obse	vegetation		nd hydrolog	y must be	present, u	nless disturl	ped or prob	lematic.	Yes ● No ○			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturl	oed or probl	lematic.	,			
Dark Surf.  3Indicators of  Restrictive L  Type: _n/  Depth (inc.)	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturl	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturl	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	ped or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	ped or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless distur	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless distur	oed or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	ped or probl	lematic.	,			
Dark Surfo	f hydrophytic v ayer (if obse /a hes):	vegetation		nd hydrolog	y must be	present, u	nless disturi	ped or probl	lematic.	,			

Project/Site: Maple Grove Drive Parcels	City/County: Town of Verona/	Dane Sampling Date: 17-Sep-19
Applicant/Owner: Sun Prairie Self Storage, LLC	State: W	I Sampling Point: 15
Investigator(s): Stautz/Stangel	Section, Township, Range:	<b>s.</b> 13 <b>t.</b> 6N <b>R.</b> 8E
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex,	none): concave Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.: Lon	g.: Datum:
Soil Map Unit Name: Orion silt loam, wet		NWI classification: None
Are climatic/hydrologic conditions on the site	ypical for this time of year? Yes $lacktriangle$ No $lacktriangle$	(If no, explain in Remarks.)
Are Vegetation $\ \square$ , Soil $\ \square$ , or Hydro	ology $\square$ significantly disturbed? Are "Norma	l Circumstances" present? Yes   No
Are Vegetation , Soil , or Hydro	ology $\square$ naturally problematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - Attach sit	e map showing sampling point location	ns, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No O	
Hydric Soil Present? Yes   Yes	No Is the Sampled Area within a Wetland?	Yes   No
Wetland Hydrology Present? Yes   •	No O	
Hardra La ma		
Hydrology		
Wetland Hydrology Indicators:	, shool, all that awal o	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required  Surface Water (A1)	✓ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)  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 Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	✓ Geomorphic Position (D2)
☐ Iron Deposits (B5)☐ Inundation Visible on Aerial Imagery (B7)	☐ Thin Muck Surface (C7)	☐ Shallow Aquitard (D3) ☐ Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	U Other (Explain in Remarks)	FAC-neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No •	Depth (inches):	
Water Table Present? Yes • No •	Depth (inches):11	rology Present? Yes  No
Saturation Present? (includes capillary fringe) Yes • No	Depth (inches):0 Wetland Hyd	rology Present? Yes   No
	toring well, aerial photos, previous inspections), if ava	
NRCS WETS Table (DANE COUNTY REGIONA	L AP, WI); NOAA AHPS 90day % Normal Precip Map;	and 1997-2017 aerial photos
Remarks:		
Wetland hydrology present.		

Tree Stratum (Plot size: 30' r )	Absolute	0	Indicator	Dominance Test worksheet:	
	% Cover		Status	Number of Dominant Species	
1. Populus deltoides	60	✓	FAC	That are OBL, FACW, or FAC:3 (A)	)
2	0			T	
3				Total Number of Dominant Species Across All Strata: 3 (B)	)
4				Species reliass rul strater (5)	,
5				Percent of dominant Species	
				That Are OBL, FACW, or FAC: 100.0% (A/	/B)
6					
7	0			Prevalence Index worksheet:	
Sapling/Shrub Stratum (Plot size: 15' r )	60 =	Total Cover		Total % Cover of: Multiply by:	
4. Collectudore	20		FACIAL	OBL species 0 x 1 = 0	
1 Salix interior		<b>✓</b>	FACW	FACW species	
2. Populus deltoides			FAC	FAC species63 x 3 =189	
3	0			FACU species $0 \times 4 = 0$	
4	0			l .	
5	0			UPL species $0 \times 5 = 0$	
6			-	Column Totals: <u>133</u> (A) <u>329</u> (	(B)
7	0			Prevalence Index = B/A = 2.474	
		= Total Cover		,	
Herb Stratum (Plot size: 5'r)		- rotal cover		Hydrophytic Vegetation Indicators:	
1 Phalaris arundinacea	50	<b>✓</b>	FACW	Rapid Test for Hydrophytic Vegetation	
O Ambussis tuitids			FAC	✓ Dominance Test is > 50%	
			FAC	<b>✓</b> Prevalence Index is $\leq$ 3.0 <sup>1</sup>	
3				Morphological Adaptations <sup>1</sup> (Provide supportin	na
4				data in Remarks or on a separate sheet)	•
5	0			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	)
6	0				
7	0			<sup>1</sup> Indicators of hydric soil and wetland hydrology mu	ust
8				be present, unless disturbed or problematic.	
9				Definitions of Vegetation Strata:	
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.	eter
11				at breast height (DDH), regardless of height.	
12				Sapling/shrub - Woody plants less than 3 in. DBH ar	nd
_Woody Vine Stratum (Plot size: n/a )	51 =	Total Cover		greater than 3.28 ft (1m) tall	
	0				4
1				Herb - All herbaceous (non-woody) plants, regardles size, and woody plants less than 3.28 ft tall.	SS OI
2				oleo, and weday plante less than oleo it tall.	
3				Woody vine - All woody vines greater than 3.28 ft in	
4	0			height.	
	0 =	Total Cover			
				Hydrophytic	
				Vegetation Present?  Yes   No ○	
				Present? Yes No C	
Remarks: (Include photo numbers here or on a separate she	et.)				
Hydrophytic vegetation present.					

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Depth		Matrix		absence of indicators.)									
(inches)		(moist)	%		moist)	%	Type <sup>1</sup>		Texture	Rem	arks		
0-6	10YR	3/2		10YR	4/6	20	C	M	Silty Clay				
6-24	10YR	4/2		10YR	4/6	25	C	М	Silty Clay				
			_			-		-					
									-				
	-								-				
					-	_		-					
					-	_	-						
			M=Reduce	d Matrix,	CS=Cover	ed or Coat	ted Sand Gr	ains <sup>2</sup> Loca	ation: PL=Pore Lining. M=Matrix				
Hydric Soil									<b>Indicators for Problemat</b>	ic Hydric	c Soils: 3		
Histosol	` '					w Surface	(S8) (LRR I	R,	2 cm Muck (A10) (LRR	K, L, MLR	A 149B)		
Histic Epipedon (A2)  MLRA 1				•	face (S9) (	(LRR R, MLI	RA 149R)	Coast Prairie Redox (A1	.6) (LRR k	<, L, R)			
☐ Black His		`					1) LRR K, L	-	5 cm Mucky Peat or Pea	at (S3) (Ll	RR K, L, R)		
	n Sulfide (A4					Matrix (F2		,	Dark Surface (S7) (LRR	K, L, M)			
	Layers (A5)				leted Matri		-,		Polyvalue Below Surface (S8) (LRR K, L)				
	Parker Politica (CC)							☐ Thin Dark Surface (S9) (LRR K, L)					
	☐ Thick Dark Surface (A12) ☐ Sandy Muck Mineral (S1) ☐ Depleted Dark Surface (F7)							☐ Iron-Manganese Masses (F12) (LRR K, L, R)					
	eyed Matrix			Red	ox Depress	sions (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)				
	edox (S5)	(34)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)				
	Matrix (S6)								Red Parent Material (F21)				
		RR R, MLRA 149	)B)						☐ Very Shallow Dark Surfa	•	2)		
				les este est e es			alaaa dhabaad		United States (Explain in Remains	rks)			
		c vegetation an	a wetiana	пуагоюду	must be	present, ui	niess distur	bea or probl	lematic.				
Restrictive I		served):											
Type: <u>n</u>									Hydric Soil Present? Y	es 💿	No O		
Depth (inc	ches):								Tryune Son Fresence	<b>es</b>	NO U		
Remarks:													
Hydric soil p	resent.												

Project/Site: Maple Grove Drive Parcels		City/County: Town of Verona/D	ane Sampling Da	ate: 17-Sep-19
Applicant/Owner: Sun Prairie Self Storage	, LLC	State: WI	Sampling Point:	16
Investigator(s): Stautz/Stangel		Section, Township, Range:	<b>s.</b> 13 <b>t.</b> 6N	<b>R.</b> 8E
Landform (hillslope, terrace, etc.): She	oulder slope	Local relief (concave, convex, n	one): convex SI	ope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.:	Long	<u></u>	Datum:
Soil Map Unit Name: Orion silt loam, w	vet		NWI classification: Nor	ne
Are climatic/hydrologic conditions on the	he site typical for this time of y	rear? Yes • No •	(If no, explain in Remarks.)	
Are Vegetation $\square$ , Soil $\square$ , o	or Hydrology 🔲 significant	tly disturbed? Are "Normal	Circumstances" present?	Yes ● No ○
Are Vegetation, Soil, o	or Hydrology 🔲 naturally p	problematic? (If needed, e	explain any answers in Remark	(S.)
Summary of Findings - Attac	ch site map showing s	sampling point location	s, transects, importa	nt features, etc.
Hydrophytic Vegetation Present? Y	res ● No O			
Hydric Soil Present?	ſes ○ No •	Is the Sampled Area within a Wetland?	Yes ○ No •	
Wetland Hydrology Present?	res ○ No •			
Hydrology				
Wetland Hydrology Indicators:			Secondary Indicators (minimum o	of 2 required)
Primary Indicators (minimum of one r		(00)	Surface Soil Cracks (B6)	
High Water Table (A2)	<ul><li></li></ul>	` '	☐ Drainage Patterns (B10) ☐ Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15	•	Dry Season Water Table (C2)	)
Water Marks (B1)	Hydrogen Sulfide		Crayfish Burrows (C8)	,
Sediment Deposits (B2)		neres along Living Roots (C3)	Saturation Visible on Aerial I	magery (C9)
Drift deposits (B3)	Presence of Reduc	ced Iron (C4)	Stunted or Stressed Plants (	01)
Algal Mat or Crust (B4)	Recent Iron Reduc	ction in Tilled Soils (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	38)		FAC-neutral Test (D5)	
Field Observations: Surface Water Present?  Yes	No   Depth (inches):			
	No Depth (inches):	Wetland Hydr	ology Present? Yes	No •
(includes capillary fringe) Yes	No Depth (inches):			
Describe Recorded Data (stream gauge NRCS WETS Table (DANE COUNTY RE				
Remarks:				
Wetland hydrology not present.				
Wedana nyarology not present.				

	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' r )	% Cover	Species?	Status	Number of Dominant Species
1. Populus deltoides	15	<b>✓</b>	FAC	That are OBL, FACW, or FAC:
2	0			
3				Total Number of Dominant
				Species Across All Strata: 3 (B)
4				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 66.7% (A/B)
6				
7	0			Prevalence Index worksheet:
(Plot size, 151 r	15 =	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' r )				OBL species
1. Salix interior	0		FACW	FACW species 54 x 2 = 108
2	0			
3	0			FAC species $20 \times 3 = 60$
4				FACU species <u>44</u> x 4 = <u>176</u>
5				UPL species $\frac{2}{}$ x 5 = $\frac{10}{}$
				Column Totals: 120 (A) 354 (B)
6				
7				Prevalence Index = $B/A = \underline{2.950}$
_Herb Stratum_ (Plot size: 5' r )		= Total Cover		Hydrophytic Vegetation Indicators:
				Rapid Test for Hydrophytic Vegetation
1 Phalaris arundinacea	50	<b>✓</b>	FACW	✓ Dominance Test is > 50%
2. Glechoma hederacea	30	✓	FACU	✓ Prevalence Index is ≤3.0 ¹
3. Ambrosia trifida	5		FAC	
4. Vernonia fasciculata	2		FACW	<ul> <li>Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> </ul>
5. Elymus canadensis	10		FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6. Pastinaca sativa	2		UPL	Troblemade Hydrophlyde Vegetation (Explain)
7 Complemental de la constate de la			FACW	1 Indicators of hydric soil and wetland hydrology must
O. Circium anyones	2		FACU	be present, unless disturbed or problematic.
O. Tauauraum afficiants			FACU	Definitions of Vegetation Strata:
			TACO	· ·
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
(Plat size n/2	105 =	= Total Cover		greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: n/a )				
1				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	et.)			
Hydrophytic vegetation not present.	,			
Trydrophyde vegetador not present.				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Depth		Matrix				dox Featu	ıres		absence of indicators.)				
(inches)		(moist)	%		(moist)	%	Type <sup>1</sup>		Texture Remarks				
0-4	10YR	3/2		10YR	4/6	_ 1	C	M	Silty Clay				
4-18	10YR	5/4							Silty Clay				
18+							_		rock/gravel				
-					-	-	-						
	-			-		-	-		-				
				-									
	-					-	-						
				-									
	-			-			_						
						_							
<sup>1</sup> Type: C=Cor	ncentration. [	D=Depletion	n. RM=Redu	ced Matrix,	CS=Cover	ed or Coate	ed Sand Gr	ains <sup>2</sup> Loca	ration: PL=Pore Lining. M=Matrix				
Hydric Soil									Indicators for Problematic Hydric Soils :	3			
Histosol (				Pol	yvalue Belo	w Surface	(S8) (LRR I	₹,					
Histic Epi	pedon (A2)			MLI	RA 149B)				2 cm Muck (A10) (LRR K, L, MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, R)				
Black His	tic (A3)				n Dark Surf				5 cm Mucky Peat or Peat (S3) (LRR K, L, R)	))			
Hydrogen Sulfide (A4)					my Mucky			)	Dark Surface (S7) (LRR K, L, M)	<b>(</b> )			
Stratified	Layers (A5)				my Gleyed		)		Polyvalue Below Surface (S8) (LRR K, L)				
	Below Dark		oleted Matri				☐ Thin Dark Surface (S9) (LRR K, L)						
	rk Surface (A				dox Dark Su	. ,	7)		☐ Iron-Manganese Masses (F12) (LRR K, L,	R)			
	andy Muck Mineral (S1)  Depleted Dark Surface (F7)  Redox Depressions (F8)					Piedmont Floodplain Soils (F19) (MLRA 149B)							
	eyed Matrix (	(S4)			ох Бергез.	510113 (1 0)			Mesic Spodic (TA6) (MLRA 144A, 145, 149	9B)			
	Sandy Redox (S5)						Red Parent Material (F21)						
	Matrix (S6) face (S7) (LR	DD MIDA	140P)						☐ Very Shallow Dark Surface (TF12)				
			-						Other (Explain in Remarks)				
<sup>3</sup> Indicators o	f hydrophyti	c vegetation	and wetlar	nd hydrolog	y must be p	present, un	less disturl	bed or probl	llematic.				
Restrictive L	ayer (if ob:	served):											
Type: <u>ro</u>	ock/gravel								Undrin Cail Dunants V O N O				
Depth (inc	ches): <u>18</u>								Hydric Soil Present? Yes No •				
Remarks:													
Hydric soil no	ot present.												

Project/Site: Maple Grove Drive Parcels	5		City/County:	Town of Verona/D	ane	Sampling Date: 17-Sep-19
Applicant/Owner: Sun Prairie Self Stora	ige, LLC			State: WI	Sampling	Point: 17
Investigator(s): Stautz/Stangel			Section, To	ownship, Range:	<b>s</b> . 13 т. 6	5N <b>R.</b> 8E
Landform (hillslope, terrace, etc.):	Toeslope		Local relief (c	oncave, convex, n	one): concave	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	· ·	Lat.:		Long	  .:	Datum:
Soil Map Unit Name: Orion silt loam	wet					ication: None
			- Va	s • No O	_	
Are climatic/hydrologic conditions or					(If no, explain in	·
Are Vegetation, Soil	, or Hydrolo	ogy	tly disturbed?	Are "Normal	Circumstances" p	present? Tes 🙂 NO 🔾
Are Vegetation, Soil	, or Hydrolo	ogy 🗌 naturally p	problematic?	(If needed, e	explain any answe	ers in Remarks.)
Summary of Findings - Att			sampling p	oint location	s, transects,	important features, etc.
Hydrophytic Vegetation Present?		No O				
Hydric Soil Present?		No •		e Sampled Area n a Wetland?	Yes O No 💿	)
Wetland Hydrology Present?	Yes 🔾	No •				
Hudvalo av						
Hydrology						
Wetland Hydrology Indicators:		-1111-41-4				ors (minimum of 2 required)
Primary Indicators (minimum of on Surface Water (A1)	e requirea;		(DO)		Surface Soil Cr Drainage Patte	
High Water Table (A2)		Water-Stained Lea Aquatic Fauna (B1	` ,		Moss Trim Line	
Saturation (A3)		Marl Deposits (B15	-			ater Table (C2)
Water Marks (B1)		Hydrogen Sulfide	-		Crayfish Burro	` ,
Sediment Deposits (B2)		Oxidized Rhizosph	` '	Roots (C3)	Saturation Visi	ible on Aerial Imagery (C9)
Drift deposits (B3)		Presence of Reduc	ced Iron (C4)		Stunted or Str	essed Plants (D1)
☐ Algal Mat or Crust (B4)		Recent Iron Reduc	ction in Tilled Soil	ls (C6)	Geomorphic Po	
Iron Deposits (B5)	<b>(</b> )	Thin Muck Surface	e (C7)		Shallow Aquita	
<ul><li>Inundation Visible on Aerial Imagery</li><li>Sparsely Vegetated Concave Surface</li></ul>		Other (Explain in F	Remarks)		Microtopograp	
Sparsely vegetated Concave Surface	: (DO)				✓ FAC-neutral Te	est (D5)
Field Observations:						
Surface Water Present? Yes		Depth (inches):				
Water Table Present? Yes	No 💿	Depth (inches):				Yes ○ No ●
Saturation Present? (includes capillary fringe) Yes	No 💿	Depth (inches):		wetiand Hydr	ology Present?	res 🔾 NO 😌
Describe Recorded Data (stream ga NRCS WETS Table (DANE COUNTY	_	=				rial photos
Remarks:						
Wetland hydrology not present.						
Transition of the proportion						

(7)	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' r )	% Cover	Species?	Status	Number of Dominant Species
1. Populus deltoides	15	✓	FAC	That are OBL, FACW, or FAC:3 (A)
2	0			
3				Total Number of Dominant Species Across All Strata: 4 (B)
4				(5)
5				Percent of dominant Species
6				That Are OBL, FACW, or FAC: 75.0% (A/B)
7				Prevalence Index worksheet:
1				
Sapling/Shrub Stratum (Plot size: 15' r )	15=	= Total Cover		Total % Cover of: Multiply by:
1. Salix interior	20	<b>✓</b>	FACW	OBL species 0 x 1 = 0
2				FACW species <u>74</u> x 2 = <u>148</u>
3				FAC species <u>20</u> x 3 = <u>60</u>
				FACU species <u>44</u> x 4 = <u>176</u>
4				UPL species $\frac{2}{x}$ x 5 = $\frac{10}{x}$
5				Column Totals: 140 (A) 394 (B)
6				(A) <u>331</u>
7				Prevalence Index = B/A = 2.814
Herb Stratum (Plot size: 5' r )	20=	= Total Cover		Hydrophytic Vegetation Indicators:
A Objects amonding and	=-		FA (***	Rapid Test for Hydrophytic Vegetation
1 . Phalaris arundinacea	50	<b>✓</b>	FACW	✓ Dominance Test is > 50%
2. Glechoma hederacea	30	<b>✓</b>	FACU	<b>V</b> Prevalence Index is ≤3.0 $^1$
3. Elymus canadensis			FACU	Morphological Adaptations <sup>1</sup> (Provide supporting
4. Ambrosia trifida	5		FAC	data in Remarks or on a separate sheet)
5. Vernonia fasciculata	2		FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6. Pastinaca sativa	2		UPL	
7 _ Symphyotrichum lanceolatum	2		FACW	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8. Cirsium arvense	2		FACU	
9. Taraxacum officinale	2		FACU	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	0			Capling/about Wands plants land than 2 in DDU and
		= Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: n/a )				grouter than 0.20 it (1111) talli.
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: 165 ° No °
Remarks: (Include photo numbers here or on a separate she	et.)			
Hydrophytic vegetation present.				

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Profile Desci Depth	ription: (Des	scribe to t Matrix	ne depth	needed to		t the indi dox Feat		onfirm the	absence of indicators.)				
(inches)	Color (		%	Color	(moist)	%	Type_1	Loc2	Texture	Remarks			
0-4	10YR	3/2		10YR	4/6	1	C	М	Silty Clay				
4-18	10YR	5/4							Silty Clay				
18+									<u>-</u>	rock			
				-									
				-					<u>-</u>				
				-	-								
					-								
					-								
<sup>1</sup> Type: C=Con	centration. D	=Depletion	ı. RM=Redı	uced Matrix,	CS=Cover	ed or Coat	ed Sand Gr	ains <sup>2</sup> Loca	ation: PL=Pore Lining. M=	-Matrix			
Hydric Soil									Indicators for Pro	blematic Hydric Soils: 3			
Histosol (					value Belo A 149B)	w Surface	(S8) (LRR I	₹,		) (LRR K, L, MLRA 149B)			
	pedon (A2)				•	ace (S9) (	LRR R, MLI	RA 149B)	Coast Prairie Re	dox (A16) (LRR K, L, R)			
Black His	uc (A3) n Sulfide (A4)			_			1) LRR K, L	-		at or Peat (S3) (LRR K, L, R)			
	Layers (A5)					Matrix (F2		•	Dark Surface (S7) (LRR K, L, M)				
		Surface (A1	1)	☐ Dep	leted Matri	ix (F3)			Polyvalue Below Surface (S8) (LRR K, L)				
	☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6)						Thin Dark Surface (S9) (LRR K, L)						
Sandy Mu	uck Mineral (S	51)				Surface (F	7)		☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)				
Sandy Gle	Sandy Gleyed Matrix (S4)  Redox Depressions (F8)						Mesic Spodic (TA6) (MLRA 144A, 145, 149B)						
	Sandy Redox (S5)							Red Parent Material (F21)					
	Matrix (S6)								☐ Very Shallow Dark Surface (TF12)				
	ace (S7) (LRI								Other (Explain i	n Remarks)			
<sup>3</sup> Indicators o	f hydrophytic	vegetation	and wetla	nd hydrology	/ must be	present, ur	nless disturl	bed or proble	ematic.				
Restrictive L	ayer (if obs	erved):											
Type: <u>ro</u>									Hydric Soil Present	Yes O No 💿			
Depth (inc	thes): 18								nyulic 3011 Plesent	res Uno U			
Remarks:													
Hydric soil no	ot present.												

# Appendix 6:

NR 151 Susceptibility Table

Wetland Category for Stormwater Permitting *									
	Highly	Moderately	Less						
Wetland	Susceptible	Susceptible	Susceptible						
Wetland 1	·	Х	·						
Wetland 2	·	Х							
Wetland 3	·		Х						
Wetland 4			Х						
Wetland 5	·		Х						
Wetland 6	·	Х							

**Less Susceptible:** Dominated by 90% or greater invasive species

**Moderately Susceptible:** Sedge meadows, fens, bogs, forested wetlands, fresh wet meadows, shallow/deep marshes, various swamps

**Highly Susceptible:** Trout streams, threatened and endangered species, fish and wildlife refuges, calcareous fens, wild and scenic rivers

<sup>\*</sup> These designations apply to any project requiring NR 151 stormwater permitting and are based on wetland delineation field work and the professional opinion of R.A. Smith National, Inc. Final determination of wetland susceptibilty ress with the WDNR. Some of the characteristics of a Highly Suscetible wetland may not be apparent to RASN due to confidential data or data beyond the scope of this delineation (i.e. rare species, high quality trout stream etc). Navigable waterways may also be subject to NR 151 protective area standards.