

# Assured Wetland Delineation Report

### Voit Farm Property

Town of Blooming Grove & City of Madison, Dane County, Wisconsin August 3, 2022

Project Number: 20220700

### Voit Farm Property

Town of Blooming Grove & City of Madison, Dane County, Wisconsin August 3, 2022

Prepared for:
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#### 1.0 Introduction

Heartland Ecological Group, Inc. ("Heartland") completed an assured wetland determination and delineation on the Voit Farm Property on May 12, 2022 at the request of Starkweather, LLC. Fieldwork was completed by Jeff Kraemer, an assured delineator qualified via the Wisconsin Department of Natural Resources' (WDNR's) Wetland Delineation Assurance Program (Appendix E, Qualifications). The 65.31-acre site (the "Study Area") is southwest of the intersection of US Highway (US) 51 and State Highway (STH) 30, in the northeast ¼ of Section 5 and northwest ¼ of Section 4, T7N, R10E, Town of Blooming Grove and City of Madison, Dane County, WI (Figure 1, Appendix A). The purpose of the wetland delineation was to determine the location and extent of wetlands within the Study Area.

Five (5) wetland areas totaling approximately 4.28 acres were delineated and mapped within the Study Area (Figure 6, Appendix A). Two (2) waterway tributaries to Starkweather Creek were also identified and mapped within the Study Area, and Starkweather Creek was present along the western and northern boundaries. A historically excavated quarry pond was also observed in the north-central portion of the Study Area, and its Ordinary High Water Mark (OHWM) was delineated. Wetlands, waterways, and water bodies discussed in this report may be subject to federal regulation under the jurisdiction of the U.S. Army Corps of Engineers (USACE), state regulation under the jurisdiction of the WDNR, and local zoning authorities. Heartland recommends this report be submitted to local authorities, the WDNR, and USACE for final jurisdictional review and concurrence.



#### 2.0 Methods

#### 2.1 Wetlands

Wetlands were determined and delineated using the criteria and methods described in the USACE Wetlands Delineation Manual, T.R. Y-87-1 ("1987 Corps Manual") and the applicable Regional Supplement to the Corps of Engineers Wetland Delineation Manual. In addition, the Guidance for Submittal of Delineation Reports to the St. Paul District USACE and the WDNR (WDNR, 2015) was followed in completing the wetland delineation and report.

Determinations and delineations utilized available resources including the U.S. Geological Survey's (USGS) *WI 7.5 Minute Series (Topographic) Map* (Figure 2, Appendix A), the Natural Resource Conservation Service's (NRCS) Soil Survey Geographic Database (SSURGO), U.S. Department of Agriculture's (USDA) *Web Soil Survey* (Figure 3, Appendix A), the WDNR's *Wetland Indicator* GIS data layer (Figure 4, Appendix A), the WDNR's *Wisconsin Wetland Inventory* GIS data layer (Figure 5, Appendix A), and aerial imagery available through the USDA Farm Service Agency's (FSA) National Agriculture Imagery Program (NAIP). The USGS *National Hydrography Dataset* is included on Figures 2 and 5, Appendix A.

Wetland determinations were completed on-site at sample points, often along transects, using the three (3) criteria (vegetation, soil, and hydrology) approach per the 1987 Corps Manual and the Regional Supplement. Procedures in these sources were followed to demonstrate that, under normal circumstances, wetlands were present or not present based on a predominance of hydrophytic vegetation, hydric soils, and wetland hydrology.

Atypical conditions were encountered within the Study Area due to the presence of agricultural fields including row-cropping and hay fields in areas with soils that may be hydric based on the *Web Soil Survey* and the WDNR *Surface Water Data Viewer's* wetland indicator data layer. Therefore, procedures for managed plant communities in the *Problematic hydrophytic vegetation* section described in Chapter 5 of the Regional Supplement were used. NAIP imagery were reviewed for evidence of crop stress, saturation, or inundation signatures. Sample point placements for the wetland delineation were partially determined based on such signatures.

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In actively farmed areas within the Study Area where hydric soils may be present, methods described in Chapter 5 (Difficult Wetland Situations) of the Regional Supplement were followed. Available aerial imagery was analyzed using procedures described in the Guidance for Offsite Hydrology/Wetland Determinations (USACE and Minnesota Board of Water and Soil Resources, July 2016 - "July 2016 Guidance"). An off-site aerial imagery analysis (Off-Site Analysis) was completed to document the presence or absence of wetland signatures and assist in the wetland determination. A wetland signature is evidence, recorded by aerial imagery, of ponding, flooding, or impacts of saturation for sufficient duration to meet wetland hydrology and possibly wetland vegetation criteria. Wetland signatures often vary based on the type and seasonal date of the aerial imagery. For example, there are seven (7) standardized signature types in actively farmed settings described in the July 2016 Guidance. To assist in interpretations of wetland signatures, a WETS analysis was used to compare antecedent precipitation in the three (3) months leading up to each aerial image to the long-term (30-year) precipitation averages and standard deviation to determine if antecedent precipitation conditions for each image was normal, wet, or dry. Areas within agricultural fields are typically determined to be wetland if hydric soils and wetland hydrology indicators are present and aerial images taken in the five (5) (or more) most recent normal antecedent precipitation images show at least one (1) of the wetland signatures per the July 2016 Guidance. Although the off-site analysis concentrates on imagery taken under normal antecedent precipitation conditions, the images determined to be taken under wet and dry antecedent precipitation conditions were also analyzed and considered. Determinations and delineation of wetlands in agricultural areas are typically based on an outline of the largest wetland signature on an image taken under "normal" antecedent conditions, and based on the consistency of the signatures (USDA, NRCS 1998).

Recent weather conditions influence the visibility or presence of certain wetland hydrology indicators. An assessment of recent precipitation patterns helps to determine if climatic/hydrologic conditions were typical when the field investigation was completed. Therefore, a review of antecedent precipitation in the 90 days leading up to the field investigation was completed. Using an Antecedent Precipitation Tool (APT) analysis developed by the USACE (Deters & Gutenson 2021), the amount of precipitation over these 90 days was compared to averages and standard deviation thresholds observed over the past 30 years to generally represent if conditions encountered during the investigation were

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normal, wet, or dry. Recent precipitation events in the weeks prior to the investigation were also considered while interpreting wetland hydrology indicators. Additionally, the Palmer Drought Severity Index was checked for long-term drought or moist conditions (NOAA, 2018).

The uppermost wetland boundary and sample points were identified and marked with wetland flagging and located with a Global Navigation Satellite System (GNSS) receiver capable of sub-meter accuracy. In some cases, wetland flagging was not utilized to mark the boundary and the location was only recorded with a GNSS receiver, particularly in active agricultural areas. The GNSS data was then used to map the wetlands using ESRI ArcGIS  $Pro^{TM}$  2.9.3 software.

#### 3.0 Results and Discussion

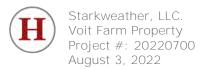
#### 3.1 Desktop Review

#### **Climatic Conditions**

According to the APT analysis using the previous 90 days of precipitation data, conditions encountered at the time of the fieldwork were expected to be normal for the time of year (Appendix B). The Palmer Drought Severity Index was checked as part of the APT analysis, and the long-term conditions at the time of the fieldwork were in the moderate drought range.

#### General Topography and Land Use

The topography within the Study Area was rolling, with various hills, depressions, and slopes due to historic filling, quarrying, and concrete disposal activities within the Study Area boundaries. A topographic high of approximately 885 feet above mean sea level (msl) occurs near the northeastern side, and a topographic low of approximately 846 feet above msl occurs in the north-central portions along the quarry pond (Figures 2 and 6, Appendix A). Land uses within the Study Area are primarily abandoned quarrying and concrete operations with various old fields, unmanaged vegetative areas, and access roads. A large actively farmed agriculture field is present in the southeastern portions of the Study Area. The surrounding areas are primarily devoted to warehouse and commercial space, residential properties, and park greenspace with a wetland complex to the northeast of the



Study Area. General drainage is to the south and west toward Starkweather Creek, which comprised the western and northern boundaries of the Study Area.

#### Soil Mapping

Soils mapped by the NRCS Soil Survey within the Study Area and their hydric status are summarized in Table 1. Wetlands identified during the field investigation are located primarily within areas mapped as hydric or partially hydric soils including wetland indicator soils (Figures 3 and 4, Appendix A).

Table 1. Summary of NRCS Mapped Soils within the Study Area

Table 1. Ballinary Cr 11	RCS Mapped Solls		ay / ii cu	
Soil symbol: Soil Unit Name	Soil Unit Component	Soil Unit Component Percentage	Landform	Hydric status
Ad: Adrian muck, 0 to 2 percent slopes	Adrian-Muck	75-90	Depressions	Yes
	Houghton-Muck	10-20	Depressions	Yes
	Kingsville	3-10	Depressions	Yes
Co: Colwood silt loam, 0 to 2 percent slopes	Colwood	80-90	Lakebeds (relict)	Yes
	Pella	5-10	Drainageways	Yes
	Palms	5-10	Depressions	Yes
DsC2: Dresden silt loam, 6 to 12 percent slopes, eroded	Dresden-Eroded	85-95	Plains	No
	Casco-Eroded	3-8	Moraines	No
	Kegonsa	2-7	Plains	No
GP: Gravel pit	Pits-Gravel	99	_	Unranked
	Aquents	1	Depressions	Yes
GsC2: Grays silt loam, 6 to 12 percent slopes, eroded	Grays	100	Lake plains	No
Ho: Houghton muck	Ho: Houghton muck Houghton		Depressions on stream terraces	Yes
KeB: Kegonsa silt loam, 2 to 6 percent Kegonsa slopes		100	100 Outwash plains	
W: Water Water greater than 40 acres		100	_	Unranked



#### Wetland Mapping

The Wisconsin Wetlands Inventory (WWI) mapping (Figure 5, Appendix A) depicts three (3) wetland areas within the Study Area. One (1) emergent marsh/wet meadow wetland (E1K) is depicted in the northwestern portion of the Study Area, while the other two (2) emergent marsh/wet meadow wetlands (E1K) are depicted in the northeast and central-east portions of the Study Area. The emergent/wet meadow wetland in the central-east portion of the Study Area appears to be isolated in the map extent, while the other two (2) WWI wetlands were contiguous to Starkweather Creek.

#### Waterway Mapping

The National Hydrography Dataset 24k (NHD) mapping (Figure 5, Appendix A) depicts two (2) waterbodies and one (1) waterway, Starkweather Creek, within the Study Area. Starkweather Creek is mapped along the western Study Area boundary whereas the two (2) water bodies are present in the central and central-east portions of the Study Area.

#### Off-Site Analysis

A formal Off-Site Analysis was completed in the agricultural field within the southeast portion of the Study Area. This agricultural field was noted to have an absence of mapped hydric or potentially hydric soils and a depression in the northeast portion of the agricultural field was the focus of the off-site aerial imagery analysis (OSA) (Appendix F). From the aerial imagery, the primary wetland hydrology indicator of "Inundation Visible on Aerial Imagery" (B7) was not noted in the depression. In that same location, the secondary wetland hydrology indicator of "Stunted or Stressed Plants" (D1) was also not observed consistently.

A total of 21 aerial images were selected and reviewed based on availability and quality of the imagery. Of these images, eight (8) were taken under normal antecedent precipitation conditions. Marginal signatures were noted in one (1) area within the Study Area within landscape positions described by the NRCS to support hydric soil components and were the focus of the OSA. The seven (7) described wetland signatures per the July 2016 Guidance were inconsistently noted (2 of 8 years) in the depression assessed on imagery taken under normal antecedent precipitation conditions. In imagery taken under wet antecedent precipitation conditions, such wetland signatures were noted in four (1) of the nine (9)



images. In imagery taken under dry antecedent precipitation conditions, there were wetland signatures noted in one (0) of the four (4) images.

Based on the off-site analysis, no (0) areas within the agricultural field were likely to be wetland prior to the fieldwork.

#### 3.2 Field Review

Five (5) wetlands were identified and delineated within the Study Area. Wetland determination data sheets (Appendix C) were completed at 29 sample points that were representative of the wetland and upland conditions near the boundary and where potential wetlands may be present based on the desktop review and field reconnaissance. Appendix D provides photographs, typically at the sample point locations of the wetlands and adjacent uplands. The wetland boundary and sample point locations are shown on Figure 6 (Appendix A) and the wetlands are summarized in Table 2 and detailed in the following sections.

Table 2. Summary of Wetlands Identified within the Study Area

Wetland ID	Wetland Description	*Surface Water Connections	*NR151 Protective Area	Acreage (on-site)				
W-1	Wet Meadow/ Emergent Marsh	Contiguous to Starkweather Creek	Less susceptible, 10-30 feet	3.56				
W-2	Wet Meadow/ Excavated Ditchway	Contiguous to Starkweather Creek	Less susceptible, 10-30 feet	0.18				
W-3	Wet Meadow	Contiguous to Quarry Pond/Starkweather Creek	Less susceptible, 10-30 feet	0.13				
W-4	Contiguous to Less							
W-5 Wet Meadow/ Shrub- Contiguous to Starkweather Creek Susceptible, 10-30 feet								
*Classification based on Heartland's professional opinion. Jurisdictional authority of wetland and waterway protective areas under NR 151 lies with the WDNR. Local zoning authorities may have additional restrictions. USACE has authority for determining federal jurisdiction of wetlands and waterways.								



#### Wetland 1, 3, and 4 (W-1, W-3, W-4)

Wetlands 1, 3, and 4 (W-1, W-3, W-4) are wet meadows located in the western and northern (W-1), central (W-3), and eastern (W-4) portions of the Study Area.

Dominant vegetation observed in W-1, W-3, and W-4 included hybrid cattail (*Typha x glauca*, OBL), wooly sedge (*Carex pellita*, OBL), duckweed (*Lemna minor*, OBL), common reed (*Phragmites australis*, FACW) and reed canary grass (*Phalaris arundinacea*, FACW). Therefore, the wetland vegetation parameter was met in these wetlands.

The Black Histic (A3), Depleted Below Dark Surface (A11), Thick Dark Surface (A12), Loamy Mucky Mineral (F1), Loamy Gleyed Matrix (F2), Depleted Matrix (F3), Redox Dark Surface (F6) and Redox Depressions (F8) hydric soil indicators were noted in W-1. The F6 hydric soil indicator was noted in W-3 while the A11 and F1 hydric soil indicators were noted in W-4. These hydric soil indicators are consistent with the mapped Colwood silt loam and Adrian Muck soil types. Thus, the hydric soil parameter was met in these wetlands.

The primary wetland hydrology indicators of Surface Water (A1), High Water Table (A2), and Saturation (A3) were noted within W-1, while secondary indicators included Drainage Patterns (B2), Geomorphic Position (D2) and a positive FAC-Neutral Test (D5). In W-3 and W-4, the primary hydrology indicators of A3 were noted while secondary indicators included D2 and D5. Therefore the wetland hydrology parameter was satisfied for all wetlands.

Wetland W-1 is contiguous with Starkweather Creek, which comprises the Study Area's western boundary. W-1 was also contiguous to two (2) unnamed waterways present in excavated ditches, themselves contiguous to Starkweather Creek. W-2 was contiguous with WW-1, an unnamed waterway present in the central-west portion of the Study Area. Lastly, W-3 was contiguous to a quarry pond while W-4 extended offsite to the east and likely is also connected to Starkweather Creek. The boundary of these wetlands generally followed moderately-defined topographic breaks.

#### Wetland 2 (W-2)

Wetland W-2 is a wet meadow positioned in an excavated ditch that leads to Starkweather Creek. This ditch was lined with concrete blocks in its eastern portions.

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Dominant vegetation observed in W-2 included reed canary grass- thus the wetland vegetation parameter was met.

The A11, F2, and F6 hydric soil indicators were noted in W-2 and are consistent with the Colwood silt loam soil type.

The primary wetland hydrology indicators of A2 and A3 were noted in W-2, while secondary indicators included D2 and D5. Therefore, the wetland hydrology parameter was met.

The boundaries of W-2 correlated with a well-defined topographic break due to its position in an excavated ditchway.

#### Wetland 5 (W-5)

Wetland W-5 is a wet meadow positioned in a depression with fill present. W-5 was connected to W-1 on its western side via a culvert which ran beneath an access road.

Dominant vegetation observed in W-5 included common reed, sandbar willow (*Salix interior*, FACW), peach-leaved willow (*Salix amygdaloides*, FACW)- thus the wetland vegetation parameter was met.

Depleted Matrix (F3) hydric soil indicator was noted in W-5 which is consistent with hydric inclusions of the Colwood silt loam soil type.

The primary wetland hydrology indicators of A2 and A3 were noted in W-5, while secondary indicators included D2 and D5. Therefore, the wetland hydrology parameter was met.

The boundaries of W-5 correlated with a well-defined topographic break.

#### Waterways and Waterbodies

Starkweather Creek was observed along the western and northern portion of the Study Area. One (1) unnamed waterway's centerline, WW-1, was mapped in the central portion of the Study Area and one (1) waterway's centerline, WW-2, was mapped in the northern portion of the Study Area. Lastly, the approximate OHWM of a quarry pond was recorded in the field and mapped. All discussed waterways and waterbodies are depicted on Figure 6, Appendix A.



#### 3.3 Other Considerations

This report is limited to the identification and delineation of wetlands within the Study Area. Other regulated environmental resources that result in land use restrictions may be present within the Study Area that were not evaluated by Heartland (e.g. navigable waterways, floodplains, cultural resources, and threatened or endangered species).

Wisconsin Act 183 provides exemptions to permitting requirements for certain nonfederal wetlands. Nonfederal wetlands are wetlands that are not subject to federal jurisdiction. Exemptions apply to projects in urban areas with wetland impacts up to 1-acre per parcel. An urban area is defined as an incorporated area; an area within ½ mile of an incorporated area; or an area served by a sewerage system. Exemptions for nonfederal wetlands also apply to projects in rural areas with wetland impacts up to three (3) acres per parcel. Exemptions in rural areas only apply to structures with an agricultural purpose such as buildings, roads, and driveways. The determination of federal and nonfederal wetlands MUST be made by the USACE through an Approved Jurisdictional Determination (AJD). This report may be submitted to the USACE to assist with their determination.

Wis. Adm. Code NR 151 ("NR 151") requires that a "protective area" (buffer) be determined from the Ordinary High-Water Mark (OHWM) of lakes, streams and rivers, or at the delineated boundary of wetlands. Per NR 151.12, the protective area width for "less susceptible" wetlands is determined by using 10% of the average wetland width, no less than 10 feet or more than 30 feet. "Moderately susceptible" wetlands, lakes, and perennial and intermittent streams identified on recent mapping require a protective area width of 50 feet; while "highly susceptible wetlands" are associated with outstanding or exceptional resource waters in areas of special natural resource interest and require protective area width of 75 feet. Table 2 above lists the potential wetland buffers per NR 151 for each wetland identified based on Heartland's professional opinion. Please note that jurisdictional authority on wetland and waterway protective areas under NR 151 lies with the WDNR. Local zoning authorities and regional planning organizations may have additional land use restrictions within or adjacent to wetlands.



#### 4.0 Conclusion

Heartland completed an assured wetland determination and delineation within the Voit Farm Property on May 12, 2022 at the request of Starkweather, LLC. Fieldwork was completed by Jeff Kraemer, an assured delineator qualified via the WDNR Wetland Delineation Assurance Program (Appendix E). The Study Area lies in the northeast ¼ of Section 5 and northwest ¼ of Section 4, T7N, R10E, Town of Blooming Grove and City of Madison, Dane County, WI (Figure 1, Appendix A).

Five (5) wetland areas were delineated and mapped within the 65.31-acre Study Area (Figure 6, Appendix A). The wetlands, which may be classified as wet meadow, shrub carr, and emergent marsh, total approximately 4.28 acres within the Study Area. Two (2) unnamed tributaries to Starkweather Creek and an excavated quarry pond were also observed within the Study Area.

Wetlands, waterways, and water bodies discussed in this report may be subject to federal regulation under the jurisdiction of the USACE, state regulation under the jurisdiction of the WDNR, and the local zoning authority. Heartland recommends this report be submitted to the USACE and WDNR for final jurisdictional review and concurrence. Review by local authorities may be necessary for determination of any applicable zoning and setback restrictions.

Heartland recommends that all applicable regulatory agency reviews and permits are obtained prior to beginning work within the Study Area or within or adjacent to wetlands or waterways. Heartland can assist with evaluating the need for additional environmental reviews, surveys, or regulatory agency coordination in consideration of the proposed activity and land use as requested but is outside of the scope of the wetland delineation.

Experienced and qualified professionals completed the wetland determination and delineation using standard practices and professional judgment. Wetland boundaries may be affected by conditions present within the Study Area at the time of the fieldwork. All final decisions on wetlands and their boundaries are made by the USACE, the WDNR, and/or sometimes a local unit of government. Wetland determination and boundary reviews by regulatory agencies may result in modifications to the findings presented to the Client. These modifications may result from varying conditions between the time the wetland delineation was completed and the time of the review. Factors that may influence the



findings may include but not limited to precipitation patterns, drainage modifications, changes or modification to vegetation, and the time of year.

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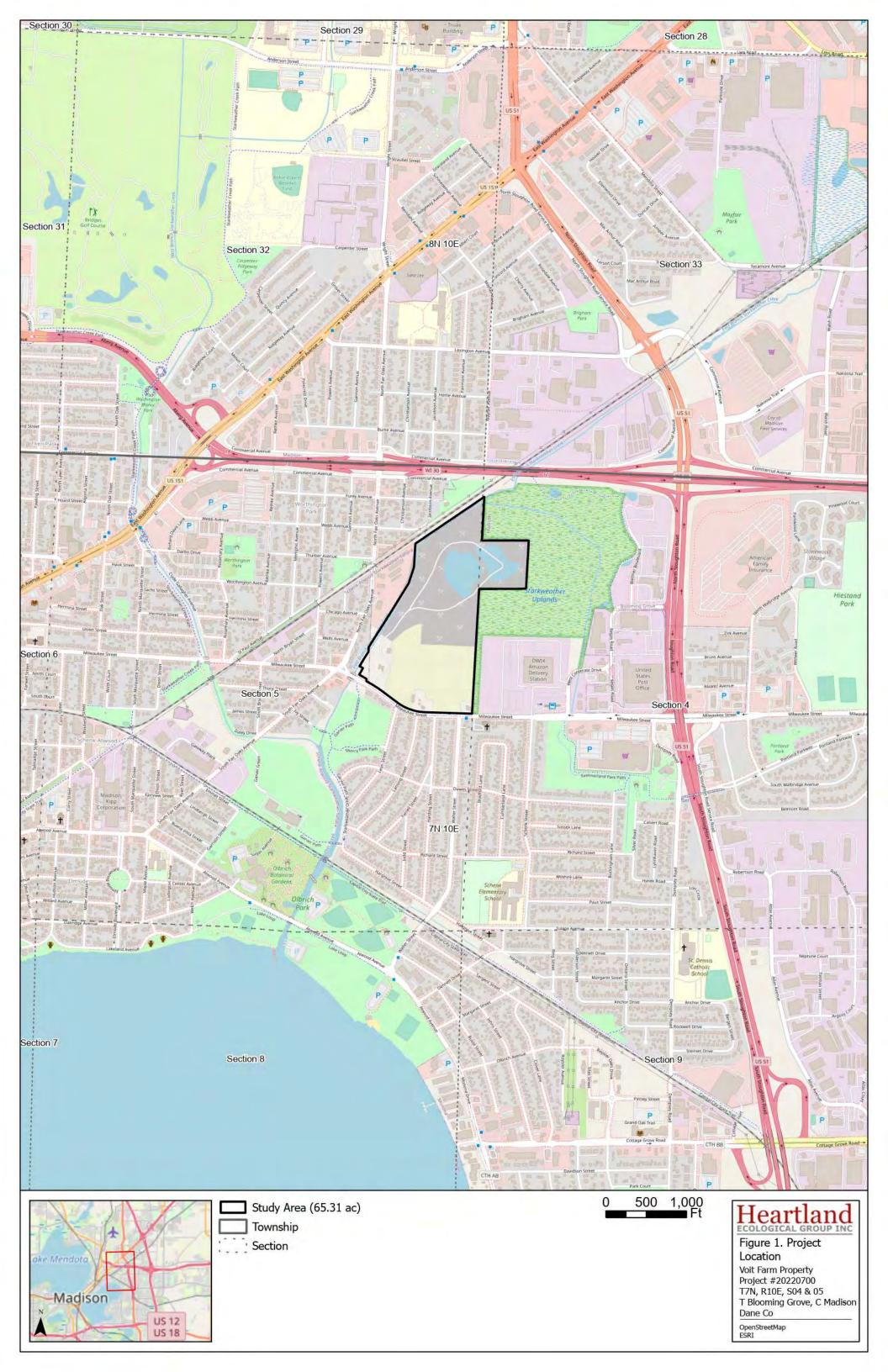
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Starkweather, LLC. Voit Farm Property Project #: 20220700 August 3, 2022

### Appendix A | Figures

Solutions for people, projects, and ecological resources.



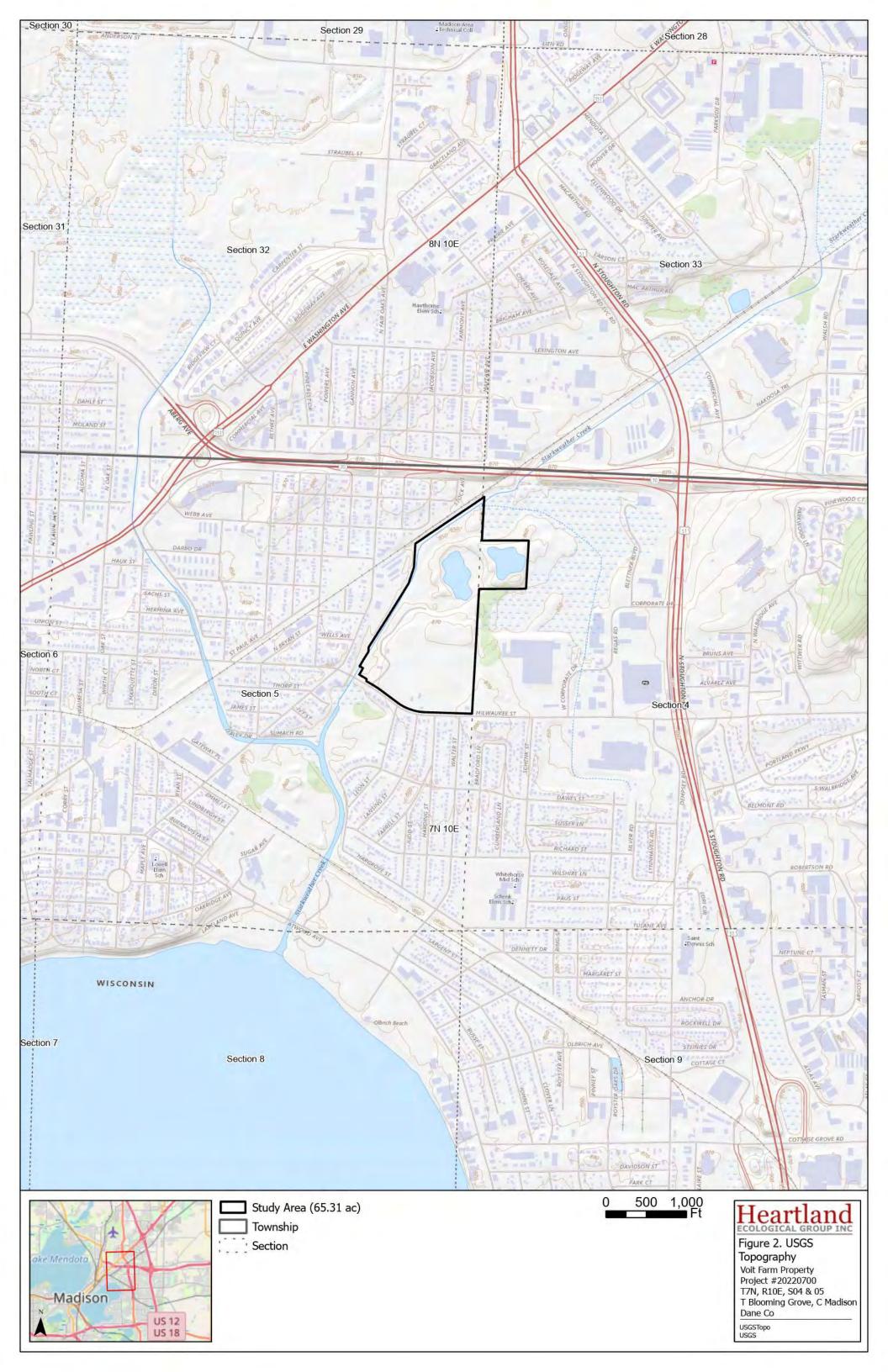








Figure 4. SWDV
Wetland Indicators
Voit Farm Property
Project #20220700
T7N, R10E, S04 & 05
T Blooming Grove, C Madison
Dane Co

2020 NAIP WDNR

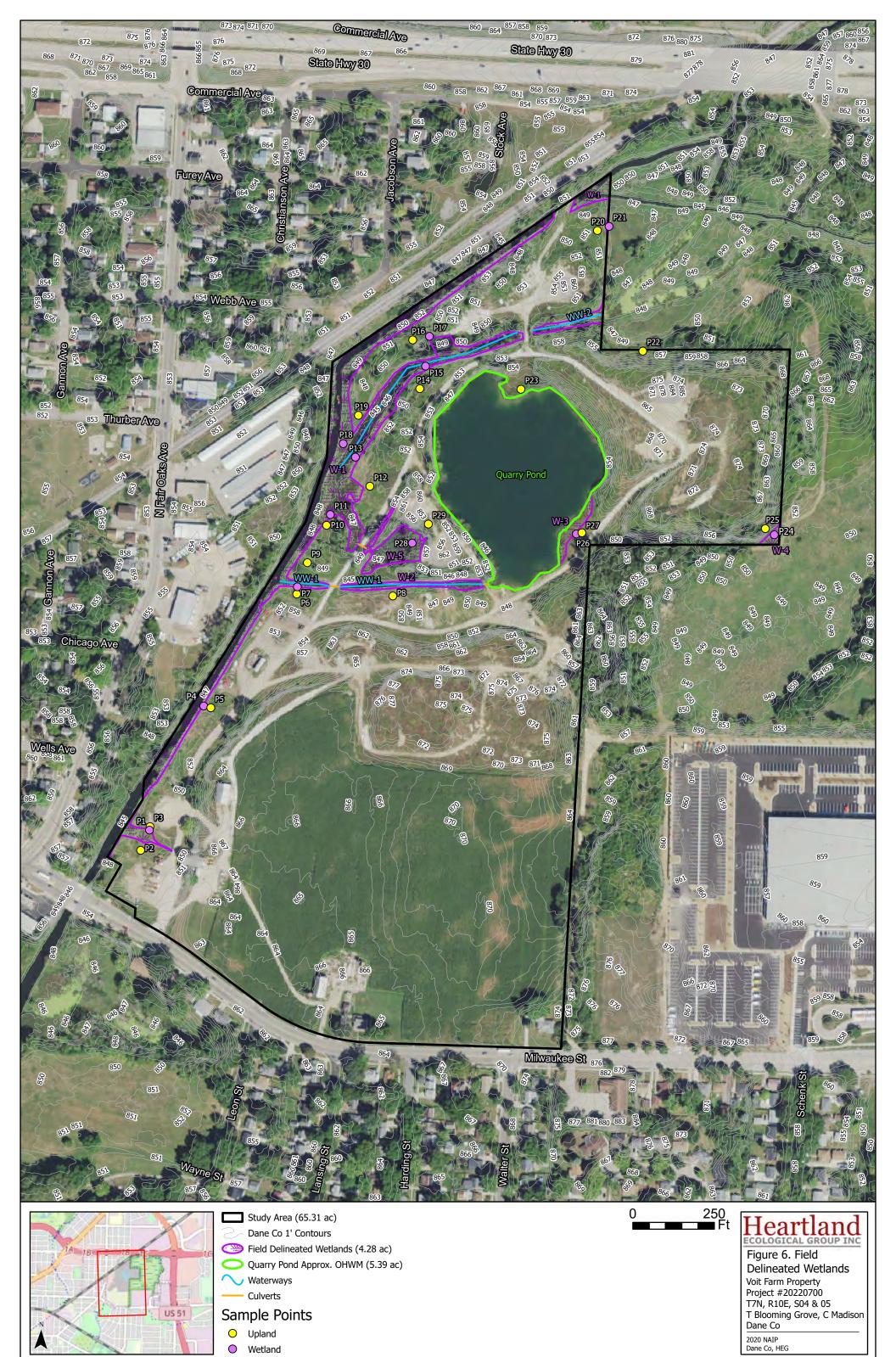




NHD Waterbody

Figure 5. Wisconsin
Wetland Inventory
Voit Farm Property
Project #20220700
T7N, R10E, S4 & 5
T Blooming Grove, C Madison
Dane Co

2020 NAIP WDNR, USGS



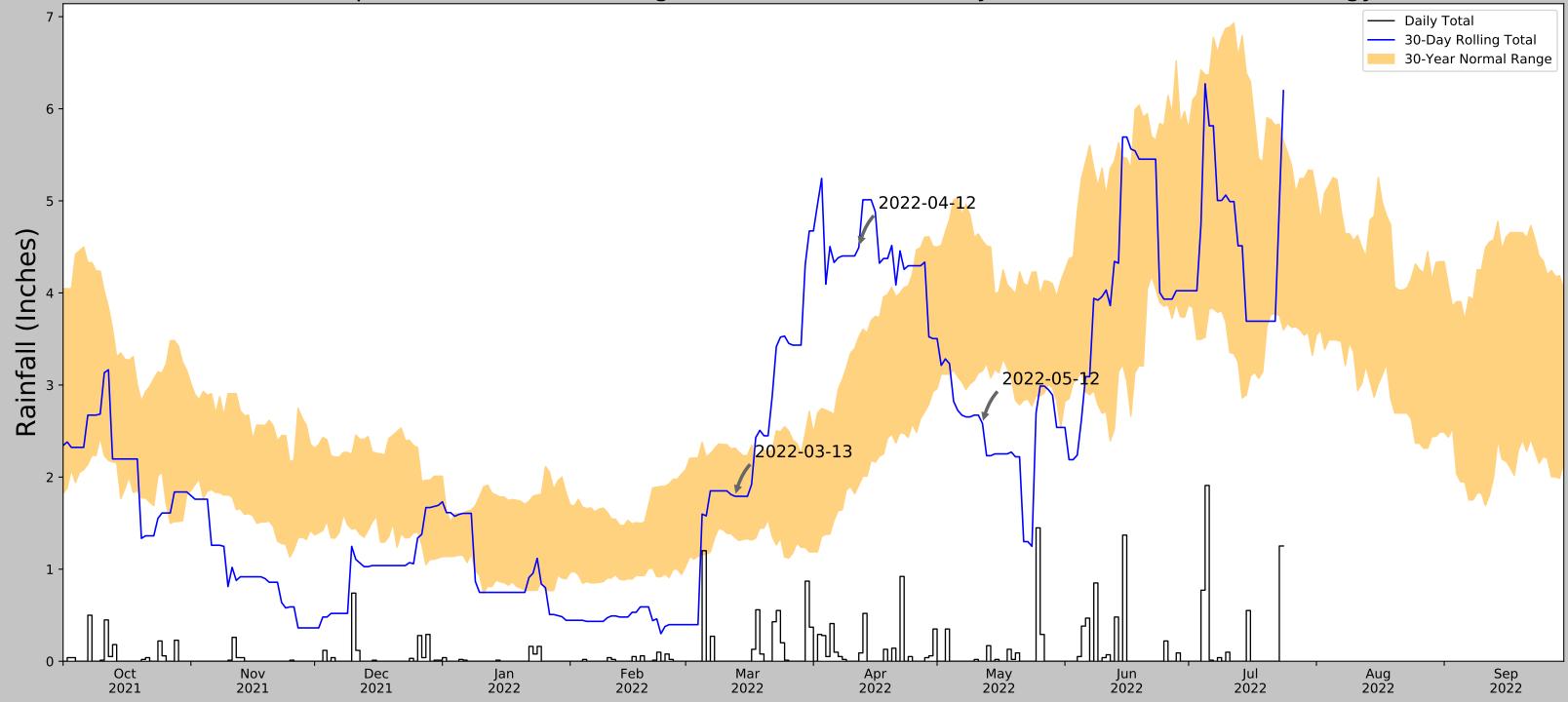


Starkweather, LLC. Voit Farm Property Project #: 20220700 August 3, 2022

## Appendix B | APT Analysis

Solutions for people, projects, and ecological resources.

## Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	43.100661, -89.328045
Observation Date	2022-05-12
Elevation (ft)	858.03
Drought Index (PDSI)	Moderate drought
WehWIMP HaO Balance	Dry Season
anc a	Figure and tables made by the

Figure and tables made by the	
<b>Antecedent Precipitation Tool</b>	
Version 1.0	
Written by Jason Deters U.S. Army Corps of Engineers	

30 Days Ending	30 <sup>th</sup> %ile (in)	70 <sup>th</sup> %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2022-05-12	3.152362	4.567717	2.582677	Dry	1	3	3
2022-04-12	1.910236	3.520866	4.492126	Wet	3	2	6
2022-03-13	1.341732	2.316142	1.791339	Normal	2	1	2
Result							Normal Conditions - 11

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
MADISON DANE RGNL AP	43.1406, -89.3453	866.142	2.893	8.112	1.326	11353	90

#### ASSURED WETLAND DELINEATION REPORT



Starkweather, LLC. Voit Farm Property Project #: 20220700 August 3, 2022

### Appendix C | Wetland Determination Data Sheets

Solutions for people, projects, and ecological resources.

#### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022					
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P1					
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E					
	relief (concave, convex, none):concave Slope %: 2					
	Long: Datum:					
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: none (WWI)					
·						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrologysignificantly disturb						
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)					
<b>SUMMARY OF FINDINGS – Attach site map showing sam</b>	pling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes X No	within a Wetland? Yes X No					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)						
Based on the USACE APT tool, conditions at the time of sampling were ex	spected to be within the normal preceipitation range. Site consists of					
abandoned quarry and concrete mixing option. Significant piles of rock, soi						
throughout site and Starkweather Creek along western edge of property. S excavated quarry pond in the center of the site. Active ag. field also presen	· · · · · · · · · · · · · · · · · · ·					
mixing discharge.	it in de comer. Flot was in a wet meadow swale associated with controle					
LIVEROLOGY						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) Water-Stained Leaves (B						
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 (						
Sediment Deposits (B2)  Oxidized Rhizospheres of the control of th						
Drift Deposits (B3) Presence of Reduced Iro	<u> </u>					
Algal Mat or Crust (B4)  Recent Iron Reduction in						
Iron Deposits (B5) Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No X Depth (inches):						
Water Table Present? Yes No X Depth (inches):						
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes X No					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Demarks						
Remarks:						

**VEGETATION**– Use scientific names of plants. Sampling Point: Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** (B) 4. Species Across All Strata: 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% Prevalence Index worksheet: Multiply by: =Total Cover Total % Cover of: Sapling/Shrub Stratum (Plot size: OBL species 1. Salix interior **FACW FACW** species 78 x 2 = 156 FAC species 0 0 2. x3 =0 3. FACU species x 4 = 0 4. UPL species 0 x 5 = 5. Column Totals: 88 166 1.89 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 3 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% Herb Stratum (Plot size: Phalaris arundinacea 75 Yes **FACW** X 3 - Prevalence Index is ≤3.0<sup>1</sup> 10 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. Typha X glauca OBL data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 85 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point P1

Profile Desc Depth	cription: (Describe t Matrix	o tne d	-	<b>o document</b> Redox Featu		cator or	confirm the absence	of indicators.)	
(inches)	Color (moist)	%	Color (mois	st) %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-6	10YR 4/3	100					Loamy/Clayey	SiL	
6-12	10YR 5/1	85	10YR 5/8	15	С	M	Loamy/Clayey	SiCL, contains 5% g	ravel
12-24	10YR 2/1	90	10YR 5/8	10	С	М	Loamy/Clayey	Prominent redox concer	ntrations
			-						
<del> </del>									
	oncentration, D=Deple	etion, R	M=Reduced Ma	atrix, MS=Ma	asked Sa	nd Grain		L=Pore Lining, M=Matrix.	1_3.
Hydric Soil Histosol			Polyvalue	Below Surfa	ace (S8)	(I RR R		or Problematic Hydric Soi uck (A10) (LRR K, L, MLRA	
	pipedon (A2)		MLRA		200 (00)	(=::::::;		rairie Redox (A16) (LRR K,	
	istic (A3)			Surface (S	9) ( <b>LRR I</b>	R, MLRA		ucky Peat or Peat (S3) (LRF	
Hydroge	en Sulfide (A4)		High Chro	oma Sands (	S11) ( <b>LF</b>	R K, L)	Polyvalu	ie Below Surface (S8) (LRR	k, L)
	d Layers (A5)		Loamy M	ucky Mineral	(F1) ( <b>LF</b>	RR K, L)	Thin Da	rk Surface (S9) (LRR K, L)	
	d Below Dark Surface	(A11)	<del></del>	leyed Matrix	(F2)		Iron-Mai	nganese Masses (F12) ( <b>LR</b> I	R K, L, R)
	ark Surface (A12)			Matrix (F3)				nt Floodplain Soils (F19) (M	
	Mucky Mineral (S1)			ark Surface (				podic (TA6) ( <b>MLRA 144A, 1</b>	145, 149B)
	Gleyed Matrix (S4)			Dark Surfac				ent Material (F21) allow Dark Surface (F22)	
	Redox (S5) d Matrix (S6)			epressions (F ) ( <b>LRR K, L</b> )				explain in Remarks)	
	urface (S7)		IVIAIT (I TO	) (LIXIX IX, L)	1		Other (E	.xpiaiii iii iteiriaiks)	
	(- /								
	, , , ,	on and	wetland hydrolo	ogy must be	present,	unless d	isturbed or problemation	D	
	Layer (if observed):								
Type:									
Depth (i	nches):						Hydric Soil Prese	nt? Yes X No	
Remarks:									

#### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P2						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
Landform (hillside, terrace, etc.): level plain Local							
Subregion (LRR or MLRA): LRR K Lat:							
	·						
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: none (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation, Soil _X, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes X No						
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area						
Hydric Soil Present?  Yes  No X	within a Wetland? Yes No X						
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.) Based on the USACE APT tool, conditions at the time of sampling were exupland old field that was roughly mowed. Gravel fill was present.	xpected to be within the normal preceipitation range. Plot was located in an						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (I							
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 (							
Sediment Deposits (B2) Oxidized Rhizospheres of							
Drift Deposits (B3) Presence of Reduced Iro							
Algal Mat or Crust (B4) Recent Iron Reduction ir	· / · · · · · · · · · · · · · · · · · ·						
Iron Deposits (B5) Thin Muck Surface (C7)							
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `						
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):							
Water Table Present? Yes No X Depth (inches):							
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes No _X						
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							
Remarks:							

**VEGETATION** – Use scientific names of plants. Sampling Point: Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** (B) 4. Species Across All Strata: 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: Multiply by: =Total Cover Total % Cover of: Sapling/Shrub Stratum (Plot size: OBL species 1. Salix interior **FACW FACW** species 33 x 2 = FAC species 0 0 2. x3 =x 4 = 3. FACU species 38 152 4. UPL species 23 x 5 = 5. Column Totals: 97 336 Prevalence Index = B/A = 3.46 6. **Hydrophytic Vegetation Indicators:** 3 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% Herb Stratum (Plot size: Phalaris arundinacea 30 Yes **FACW** 3 - Prevalence Index is ≤3.01 20 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. Yes **FACU** Poa pratensis data in Remarks or on a separate sheet) UPL 3. Bromus inermis 20 Yes 4. Solidago canadensis 12 No **FACU** Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. Erigeron strigosus No **FACU** <sup>1</sup>Indicators of hydric soil and wetland hydrology must 3 **FACU** be present, unless disturbed or problematic. 6. Taraxacum officinale No 3 7. No OBL **Definitions of Vegetation Strata:** Scirpus atrovirens 8. Verbascum thapsus 3 UPL Tree - Woody plants 3 in. (7.6 cm) or more in 9. diameter at breast height (DBH), regardless of height. 10. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 94 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Yes \_\_ Present? No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point P2

	cription: (Describe	to the de	-			cator or	confirm the absence	ce of indicators.)		
Depth	Matrix			x Featur		. 2				
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-13	10YR 4/4	65					Loamy/Clayey	SiL, contains 10% gravel, mixed fill		
	10YR 5/3	20								
	10YR 6/4	10								
	10YR 3/2	5								
13-24	10YR 2/1	90	10YR 5/8	10	С	M	Loamy/Clayey	SiCL, prominent redox concentrations		
	-									
	oncentration, D=Dep	letion, RI	M=Reduced Matrix,	MS=Ma	sked Sa	nd Grain		PL=Pore Lining, M=Matrix.		
Hydric Soil I Histosol			Polyvalue Belo	ow Surfs	(S2)	(IRRR		for Problematic Hydric Soils <sup>3</sup> : Muck (A10) (LRR K, L, MLRA 149B)		
	pipedon (A2)		MLRA 149B		ice (50)	(LIXIX IX,		Prairie Redox (A16) (LRR K, L, R)		
Black Hi			Thin Dark Surf	•	) (LRR F	R, MLRA		Mucky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		High Chroma Sands (S11) (LRR K, L)					alue Below Surface (S8) (LRR K, L)		
Stratified	d Layers (A5)		Loamy Mucky Mineral (F1) (LRR K, L)							
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed Matrix (F2)				Iron-Manganese Masses (F12) (LRR K, L, R)			
	ark Surface (A12)		Depleted Matri					ont Floodplain Soils (F19) (MLRA 149B)		
	fucky Mineral (S1)		Redox Dark S					Spodic (TA6) (MLRA 144A, 145, 149B)		
	Sleyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)			
	ledox (S5) Matrix (S6)		Redox Depres Marl (F10) (LR		8)		Very Shallow Dark Surface (F22) Other (Explain in Remarks)			
	rface (S7)		IVIAII (I* 10) (ER	™ <b>™</b> , ∟)			Other (Explain in Remarks)			
	11400 (01)									
	f hydrophytic vegetat		wetland hydrology m	nust be r	present,	unless d	isturbed or problema	tic.		
Restrictive I Type:	Layer (if observed):									
-	nches):						Hydric Soil Pres	ent? Yes No X		
Remarks:							Tryunc con rics	163 <u></u>		
	ofile with fill observe	d in 0-13	layer.							

#### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022									
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P3									
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E									
Landform (hillside, terrace, etc.): level plain Local	relief (concave, convex, none):none Slope %: 0-2									
Subregion (LRR or MLRA): LRR K Lat:										
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: none (WWI)									
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)									
Are Vegetation, SoilX_, or Hydrologysignificantly distur										
Are Vegetation, Soil, or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.)										
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.										
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area									
Hydric Soil Present?  Yes No X	within a Wetland? Yes No X									
Wetland Hydrology Present?  Yes  No X	If yes, optional Wetland Site ID:									
Remarks: (Explain alternative procedures here or in a separate report.)										
Based on the USACE APT tool, conditions at the time of sampling were ex	spected to be within the normal preceipitation range. Plot was in an upland									
gravel fill in an old field.										
HYDROLOGY										
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)									
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)									
Surface Water (A1) Water-Stained Leaves (I	B9) Drainage Patterns (B10)									
High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)									
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)									
Water Marks (B1) Hydrogen Sulfide Odor (	C1) Crayfish Burrows (C8)									
Sediment Deposits (B2)  Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)									
Drift Deposits (B3) Presence of Reduced Iro	ron (C4) Stunted or Stressed Plants (D1)									
Algal Mat or Crust (B4) Recent Iron Reduction in	n Tilled Soils (C6) Geomorphic Position (D2)									
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)									
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	rks) Microtopographic Relief (D4)									
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)									
Field Observations:										
Surface Water Present? Yes No X Depth (inches):	:									
Water Table Present? Yes No X Depth (inches):										
Saturation Present? Yes No X Depth (inches):										
(includes capillary fringe)										
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:									
Remarks:										

**VEGETATION** – Use scientific names of plants. Sampling Point: Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: ) **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: =Total Cover Multiply by: Total % Cover of: Sapling/Shrub Stratum (Plot size: \_\_\_\_) OBL species **FACW** species 5 x 2 = FAC species 0 0 x3 =61 3. FACU species x 4 = 244 UPL species 15 x 5 = Column Totals: 81 329 4.06 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover 2 - Dominance Test is >50% Herb Stratum (Plot size: ) Lotus corniculatus 30 Yes **FACU** 3 - Prevalence Index is ≤3.01 10 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. Yes **FACU** Trifolium hybridum data in Remarks or on a separate sheet) FACU 3. Solidago canadensis 5 No 4. Daucus carota 10 Yes UPL Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. Phalaris arundinacea No **FACW** <sup>1</sup>Indicators of hydric soil and wetland hydrology must 10 **FACU** be present, unless disturbed or problematic. 6. Elymus repens Yes 5 No UPL **Definitions of Vegetation Strata:** 7. Bromus inermis 5 **FACU** Poa pratensis Tree - Woody plants 3 in. (7.6 cm) or more in Taraxacum officinale **FACU** 9. No diameter at breast height (DBH), regardless of height. 10. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 81 \_\_\_=Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Yes \_ Present? No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point P3

Profile Desc Depth	cription: (Describe Matrix	to the d	•	<b>cument</b> x Featur		cator or	confirm the absen	ce of ind	licators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks		
0-6	10YR 5/4	95					Loamy/Clayey		SiL, contains 50% gravel		
	10YR 3/3	5									
6-24	10YR 5/3	100					Loamy/Clayey		SiL, contains 50% gravel		
	-									-	
17	- D. D.		M. Dadward Matrix	<u></u>	-110-		21 1'	DI . D	a I Sala a NA NA	- 1 - 2	
Hydric Soil	oncentration, D=Dep	oletion, R	M=Reduced Matrix,	MS=Ma	isked Sa	nd Grains			e Lining, M=Ma blematic Hydr		
Histosol			Polyvalue Belo	w Surfa	ace (S8)	(LRR R,			0) (LRR K, L,		
Histic Epipedon (A2)			MLRA 149B)				Coast Prairie Redox (A16) (LRR K, L, R)				
Black Histic (A3)			Thin Dark Surface (S9) (LRR R, MLRA				<b>149B</b> ) 5 cm	Mucky Pe	eat or Peat (S3	B) (LRR K, L, R)	
Hydroge	n Sulfide (A4)		High Chroma S			-	Polyva	alue Belo	w Surface (S8	) (LRR K, L)	
	d Layers (A5)		Loamy Mucky			RK, L)			ace (S9) (LRR		
	d Below Dark Surfac	e (A11)	Loamy Gleyed		(F2)			-		2) (LRR K, L, R)	
	ark Surface (A12)		Depleted Matri		==>					19) (MLRA 149B)	
	Mucky Mineral (S1)		Redox Dark Su							44A, 145, 149B)	
Sandy Gleyed Matrix (S4) Sandy Redox (S5)			Depleted Dark Surface (F7)  Redox Depressions (F8)				Red Parent Material (F21)  Very Shallow Dark Surface (F22)				
	Matrix (S6)		Marl (F10) (LR						in Remarks)	-22)	
	rface (S7)		IVIAII (I* 10) (LK	ι <b>κ κ, ∟</b> )			Other	(Explain	iii Neiliaiks)		
Bank Gan	11400 (07)										
<sup>3</sup> Indicators of	f hydrophytic vegeta	tion and	wetland hydrology m	ust be	present,	unless di	sturbed or problema	atic.			
	Layer (if observed):										
Type:											
Depth (ir	nches):						Hydric Soil Pres	sent?	Yes	NoX	
Remarks:											
Mixed soil pr	ofile observed in the	0-6 laye	r and fill present in a	ıll layers	5.						

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P4						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
Landform (hillside, terrace, etc.): Lower bank of terrace Local	relief (concave, convex, none):convex Slope %: 2						
	Long: Datum:						
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: none (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb	<del></del>						
Are Vegetation , Soil , or Hydrology naturally problema							
SUMMARY OF FINDINGS – Attach site map showing sam							
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were ex along a lower bank stream terrace of Starkweather Creek and was 6 inches upland.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1)Water-Stained Leaves (E	<del></del>						
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)						
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)						
Water Marks (B1) Hydrogen Sulfide Odor (							
Sediment Deposits (B2)  Oxidized Rhizospheres of	<u> </u>						
Drift Deposits (B3) Presence of Reduced Iro	• • • • • • • • • • • • • • • • • • • •						
Algal Mat or Crust (B4)  Recent Iron Reduction in							
Iron Deposits (B5) — Thin Muck Surface (C7)							
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark							
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):							
Water Table Present? Yes X No Depth (inches):							
Saturation Present? Yes X No Depth (inches):	Wetland Hydrology Present? Yes X No						
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							

**VEGETATION**– Use scientific names of plants. Sampling Point: Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: ) **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** (B) 4. Species Across All Strata: 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% Prevalence Index worksheet: =Total Cover Multiply by: Total % Cover of: Sapling/Shrub Stratum (Plot size: OBL species **FACW** species 95 x 2 = 190 FAC species 0 0 x3 =FACU species 0 3. x 4 = 0 UPL species 0 x 5 = Column Totals: 95 190 2.00 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: ) X 2 - Dominance Test is >50% 1. Phalaris arundinacea 95 Yes FACW X 3 - Prevalence Index is ≤3.0<sup>1</sup> 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. data in Remarks or on a separate sheet) 3. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 4. 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 95 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation No \_\_ Present? Yes X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

	•	to the d	-			cator or	confirm the absence	e of indicators.)	)	
Depth	Matrix			Feature		. 2	<b>-</b> .	_		
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	
0-8	10YR 3/1	97	10YR 5/6	3	<u>C</u>	<u>M</u>	Loamy/Clayey	SiL, prominent	t redox coi	ncentrations
8-24	N 2.5/	100					Mucky Loam/Clay	N	lucky SiL	
								-		
								-		
		letion, R	M=Reduced Matrix,	MS=Ma	sked Sa	nd Grain		PL=Pore Lining,		_
Hydric Soil I			Daharaha Dala	0	· · · (CO)	// DD D		for Problematic	-	
Histosol	(A1) pipedon (A2)		Polyvalue Belo		ace (58)	(LKK K,		luck (A10) ( <b>LRR</b> Prairie Redox (A1		-
Black His			Thin Dark Surf	•	)) (LRR F	R. MLRA		lucky Peat or Pe		
	n Sulfide (A4)		High Chroma S					ue Below Surfac		-
	Layers (A5)		Loamy Mucky			-		ark Surface (S9)		
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix	(F2)		Iron-Ma	anganese Masse	s (F12) ( <b>L</b>	RR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmo	ont Floodplain Sc	oils (F19) (	MLRA 149B)
	lucky Mineral (S1)		X Redox Dark Su					Spodic (TA6) ( <b>ML</b>		, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					rent Material (F2		
	edox (S5) Matrix (S6)		Redox Depress Marl (F10) (LR					nallow Dark Surfa Explain in Rema	. ,	
	face (S7)		IVIAII (I* 10) (LK	.K K, L)			Other (	схріані ін Кеніа	iks)	
Bank Gan	1400 (01)									
<sup>3</sup> Indicators of	hydrophytic vegeta	tion and	wetland hydrology m	nust be	present,	unless d	isturbed or problemat	ic.		
	_ayer (if observed):									
Type:										
Depth (ir	nches):						Hydric Soil Pres	ent? Yes	<u>X</u> I	No
Remarks:										

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022							
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P5							
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E							
Landform (hillside, terrace, etc.): upland swale Local								
Subregion (LRR or MLRA): LRR K Lat:								
	NWI classification: none (WWI)							
Soil Map Unit Name: Colwood silt loam (Co)								
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)							
Are Vegetation, Soil _X, or Hydrology significantly disturb								
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area							
Hydric Soil Present?  Yes  No X	within a Wetland? Yes No X							
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:							
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were ex upland subtle swale feature within upper terrace uplands consisting of fill m								
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) Water-Stained Leaves (E	B9) Drainage Patterns (B10)							
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)							
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)							
Water Marks (B1) Hydrogen Sulfide Odor (								
Sediment Deposits (B2) Oxidized Rhizospheres of								
Drift Deposits (B3) Presence of Reduced Iro	• • • • • • • • • • • • • • • • • • • •							
Algal Mat or Crust (B4) Recent Iron Reduction in	n Tilled Soils (C6) Geomorphic Position (D2)							
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)							
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remarl								
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No X Depth (inches):								
Water Table Present? Yes No X Depth (inches):								
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No _X							
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:							
Remarks:								
Normana.								

**VEGETATION** – Use scientific names of plants. Sampling Point: Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index worksheet: Multiply by: =Total Cover Total % Cover of: Sapling/Shrub Stratum (Plot size: \_\_\_\_\_) OBL species **FACW** species 60 x 2 = 120 FAC species 0 0 x 3 =x 4 = 3. FACU species 13 52 UPL species 35 x 5 = Column Totals: 108 347 Prevalence Index = B/A = 3.21 6. **Hydrophytic Vegetation Indicators:** =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: X 2 - Dominance Test is >50% Phalaris arundinacea 60 Yes **FACW** 3 - Prevalence Index is ≤3.01 20 UPL 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. No Bromus inermis data in Remarks or on a separate sheet) UPL 3. Euphorbia esula 15 No 5 4. Solidago canadensis No **FACU** Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 3 5. Cirsium vulgare No **FACU** <sup>1</sup>Indicators of hydric soil and wetland hydrology must Glechoma hederacea be present, unless disturbed or problematic. 6. **FACU** 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 108 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No

=Total Cover

Remarks: (Include photo numbers here or on a separate sheet.)

Profile Descripe	ription: (Describe Matrix	to the de	epth needed to doo	<mark>cument</mark> x Featur		cator or	confirm the absence	e of indica	itors.)	
(inches)	Color (moist)	%	Color (moist)	% realui	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	<b>(S</b>
0-11	2.5Y 3/2	100					Loamy/Clayey		SiCL	
11-18	10YR 5/3	75					Loamy/Clayey	Sil, conta	ains 30% grav	el, mixed matrix
	10YR 5/4	20					•			
-	10YR 3/2	5								
18-24	10YR 2/1	100					Loamy/Clayey		SiCL	
10 24	10111 41	100					Loanly/Olayoy		0.02	
	-									
ı										
¹Type: C=Co	ncentration, D=Dep	letion, RI	M=Reduced Matrix,	MS=Ma	asked Sa	nd Grains	s. <sup>2</sup> Location:	PL=Pore L	ining, M=Mat	trix.
Hydric Soil I			5 5.	2 (	(00)				ematic Hydric	
Histosol (	(A1) ipedon (A2)		Polyvalue Belo		ace (S8)	(LRR R,		, ,	(LRR K, L, N lox (A16) (LR	,
Black His			Thin Dark Surf	•	9) ( <b>LRR F</b>	R, MLRA				(LRR K, L, R)
	n Sulfide (A4)		High Chroma S				· —	-	Surface (S8)	
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LF</b>	≀R K, L)	Thin D	ark Surface	e (S9) (LRR I	K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			-		) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri		(=o)					9) (MLRA 149B)
	ucky Mineral (S1) leyed Matrix (S4)		Redox Dark Su Depleted Dark					Spodic (TA arent Mater		14A, 145, 149B)
	edox (S5)		Redox Depress						k Surface (F2	221
	Matrix (S6)		Marl (F10) (LR	•				Explain in l		-2,
Dark Sur	` ,			• •					•	
3	· · · · · · · · · · · · · · · · · · ·	المصا-	d. University and an exercise			المام ما المام				
	hydrophytic vegetat  ayer (if observed):		wetland hydrology m	iust be	present,	unless a	sturbed or problema	tic.		
Type:										
Depth (in	ches):						Hydric Soil Pres	ent?	Yes	No X
Remarks:										
Mixed matrix	present in 11-18 lay	er along	with fill material.							
İ										

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P6						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
Landform (hillside, terrace, etc.): terrace (filled) Local	relief (concave, convex, none):none Slope %: 0-2						
Subregion (LRR or MLRA): LRR K Lat:							
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation, SoilX_, or Hydrology significantly disturb							
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area						
Hydric Soil Present?  Yes  No X  No X	within a Wetland? Yes No X						
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were explicted terrace adjacent to an excavated ditch.	pected to be within the normal precipitation range. Plot was located in a						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (I							
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 of	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3) Presence of Reduced Iro	Iron (C4) Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4) Recent Iron Reduction ir	n Tilled Soils (C6) Geomorphic Position (D2)						
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	Microtopographic Relief (D4)						
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):	: <u></u>						
Water Table Present? Yes No X Depth (inches):	: <u></u>						
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No X						
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							

**VEGETATION** – Use scientific names of plants. Sampling Point: P6 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: =Total Cover Multiply by: Total % Cover of: Sapling/Shrub Stratum (Plot size: ) OBL species **FACW** species 10 x 2 = FAC species 0 0 x 3 =44 x 4 = 3. FACU species 176 UPL species 40 x 5 = 200 Column Totals: 94 396 4.21 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 2 - Dominance Test is >50% Phalaris arundinacea 10 No **FACW** 3 - Prevalence Index is ≤3.01 40 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. Yes UPL Bromus inermis data in Remarks or on a separate sheet) FACU 3. Poa pratensis 10 No 20 4. Solidago canadensis Yes **FACU** Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. Galium aparine 10 No **FACU** <sup>1</sup>Indicators of hydric soil and wetland hydrology must 3 be present, unless disturbed or problematic. 6. Monarda fistulosa No **FACU** 7. Alliaria petiolata 1 No **FACU Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in 9. diameter at breast height (DBH), regardless of height. 10. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 94 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Yes \_\_ Present? No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desc Depth	ription: (Describe t Matrix	o the d	-	<b>cument</b> x Featur		cator or	confirm the absence	e of indicat	ors.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	(S
0-24	10YR 4/4	90					Loamy/Clayey	SiCL	., contains 1	0% gravel
			-							
	10YR 5/4	10								
			-							
			-							
	ncentration, D=Depl	etion, R	M=Reduced Matrix,	MS=Ma	isked Sa	nd Grain		PL=Pore Lin		
Hydric Soil I					( <del>-</del> -)			for Problen		
Histosol			Polyvalue Beld		ace (S8)	(LRR R,				/ILRA 149B)
	ipedon (A2)		MLRA 149B	,	) /I DD E	MIDA		Prairie Redo		
Black His	n Sulfide (A4)		Thin Dark Surf					lucky Feat o		(LRR K, L, R)
	Layers (A5)		Loamy Mucky			-		ark Surface		
	Below Dark Surface	(A11)	Loamy Gleyed			, <b>-</b> /				(LRR K, L, R)
	rk Surface (A12)	( )	Depleted Matr		` '					9) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark S	urface (l	F6)					4A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pa	rent Materia	al (F21)	
Sandy R	edox (S5)		Redox Depres	,	•			hallow Dark	•	22)
	Matrix (S6)		Marl (F10) ( <b>LF</b>	RR K, L)			Other (	Explain in R	emarks)	
Dark Sur	face (S7)									
3Indicators of	hydrophytic vogototi	on and	watland bydralagy n	aust bo	nrocent	unlogo d	aturbad ar problemat	io		
	.ayer (if observed):	on and	wettand nydrology n	iusi be	present,	uniess u	sturbed or problemat	ic.		
Type:	ayer (ii observed).									
-	iches):						Hydric Soil Prese	ant?	Yes	No X
							riyane con riesa	JIIC:		<u> </u>
Remarks: Some fill mat	erial nresent									
Come illi mat	chai present.									

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P7						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
Landform (hillside, terrace, etc.): terrace (within ditch) Local	<del></del>						
· · · · · · · · · · · · · · · · · · ·	Long: Datum:						
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb							
<del></del>							
Are Vegetation, Soil, or Hydrologynaturally problems							
SUMMARY OF FINDINGS – Attach site map showing sam	ppling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were ex within the lower terrace of a ditch.	spected to be within the normal preceipitation range. Plot was located						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (E	· · · · · · · · · · · · · · · · · · ·						
X High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)						
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)						
Water Marks (B1) Hydrogen Sulfide Odor (							
Sediment Deposits (B2)  Oxidized Rhizospheres of	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3) Presence of Reduced Iro							
Algal Mat or Crust (B4) Recent Iron Reduction in	n Tilled Soils (C6) X Geomorphic Position (D2)						
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	rks) Microtopographic Relief (D4)						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):							
Water Table Present? Yes X No Depth (inches):							
Saturation Present? Yes X No Depth (inches):	:1 Wetland Hydrology Present? Yes X No						
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							
remains.							

**VEGETATION**– Use scientific names of plants. Sampling Point: Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** (B) 4. Species Across All Strata: 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: OBL species **FACW** species 70 x 2 = 140 FAC species 3 x3 =9 0 3. FACU species x 4 = 0 UPL species 0 x 5 = Column Totals: 75 151 2.01 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: X 2 - Dominance Test is >50% 70 Phalaris arundinacea **FACW** X 3 - Prevalence Index is ≤3.0<sup>1</sup> 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. OBL Carex vulpinoidea data in Remarks or on a separate sheet) FAC 3. Geum canadense No 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 75 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

	Matrix		Redox	Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-3	10YR 3/1	95	10YR 5/8	5	С	<u>M</u>	Loamy/Clayey	Prominent redox concentr	ations
3-7	10YR 2/1	92	10YR 5/8	8	<u>C</u>	M	Loamy/Clayey	Prominent redox concentr	ations
7-24	5GY 5/1	85	5YR 5/8	15	<u>C</u>	<u>M</u>	Loamy/Clayey	Prominent redox concentr	ations
	·								
<sup>1</sup> Type: C=C	Concentration, D=Depl	etion, RI	M=Reduced Matrix,	MS=Ma	sked Sa	nd Grains	s. <sup>2</sup> Location: F	PL=Pore Lining, M=Matrix.	
Black H Hydroge Stratifie X Deplete Thick D Sandy I	pipedon (A2) listic (A3) en Sulfide (A4) ed Layers (A5) ed Below Dark Surface eark Surface (A12) Mucky Mineral (S1)	; (A11)	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky X Loamy Gleyed Depleted Matri X Redox Dark Su	) ace (S9 Sands (S Mineral Matrix ( x (F3)	) (LRR F 611) (LR (F1) (LR (F2)	R, MLRA R K, L)	Coast P  149B) 5 cm Mi  Polyvalu  Thin Da  Iron-Ma  Piedmo	uck (A10) (LRR K, L, MLRA 1 Prairie Redox (A16) (LRR K, L ucky Peat or Peat (S3) (LRR I) ue Below Surface (S8) (LRR I) rk Surface (S9) (LRR K, L) rnganese Masses (F12) (LRR rnt Floodplain Soils (F19) (MLI prodic (TA6) (MLRA 144A, 14	K, L, R) K, L, R) K, L, R) K, L, R)
Sandy F	Gleyed Matrix (S4) Redox (S5)		Depleted Dark Redox Depress	sions (F			Very Sh	rent Material (F21) hallow Dark Surface (F22)	
	d Matrix (S6) urface (S7)		Marl (F10) ( <b>LR</b>	R K, L)			Other (E	Explain in Remarks)	
	of hydrophytic vegetat	ion and v	wetland hydrology m	ust be p	oresent,	unless di	sturbed or problemation	c.	
Restrictive	Layer (if observed):								
							Hydric Soil Prese		
Type:	inches):							nt? Yes <u>X</u> No	
Type:	inches):							nt? Yes X No	
Type: Depth (i	inches):							nt? Yes <u>X</u> No	
Type: Depth (i	inches):							nt? Yes <u>X</u> No	
Type: Depth (i	inches):							nt? Yes <u>X</u> No	
Type: Depth (i	inches):							nt? Yes <u>X</u> No	
Type: Depth (i	inches):						•	nt? Yes <u>X</u> No	
Type: Depth (i	inches):							nt? Yes X No	
Type: Depth (i	inches):							nt? Yes X No	

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P8						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
Landform (hillside, terrace, etc.): terrace (filled) Local							
Subregion (LRR or MLRA): LRR K Lat:							
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
	<del></del>						
Are Vegetation, Soil _X, or Hydrology significantly disturb							
Are Vegetation, Soil, or Hydrologynaturally problema							
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area						
Hydric Soil Present? Yes No X	within a Wetland? Yes No X						
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)							
Based on the USACE APT tool, conditions at the time of sampling were ex							
old field within a filled terrace near an excavated ditch. Bank of ditch was lin	ned with concrete blocks.						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (E	<u> </u>						
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 (							
Sediment Deposits (B2) Oxidized Rhizospheres of							
Drift Deposits (B3) Presence of Reduced Iro	• • • • • • • • • • • • • • • • • • • •						
Algal Mat or Crust (B4)  Recent Iron Reduction in							
Iron Deposits (B5) — Thin Muck Surface (C7)							
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remark							
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):							
Water Table Present? Yes No X Depth (inches):							
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No _X						
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							
Remarks.							

**VEGETATION** – Use scientific names of plants. Sampling Point: P8 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: OBL species 30 \_\_\_ 1. Salix interior **FACW FACW** species 60 x 2 = 120 3 2. FAC species x 3 =9 32 x 4 = 3. FACU species 128 4. UPL species 25 x 5 = 5. Column Totals: 120 382 Prevalence Index = B/A = 3.18 6. **Hydrophytic Vegetation Indicators:** 30 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% Herb Stratum (Plot size: Phalaris arundinacea 30 Yes **FACW** 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. 15 Yes UPL Bromus inermis data in Remarks or on a separate sheet) UPL 3. Daucus carota 10 Yes 4. Solidago canadensis 10 Yes **FACU** Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. Erigeron strigosus No **FACU** <sup>1</sup>Indicators of hydric soil and wetland hydrology must 3 **FACU** be present, unless disturbed or problematic. 6. Cirsium arvense No 3 7. No **FACU Definitions of Vegetation Strata:** Taraxacum officinale 8. Galium aparine 3 **FACU** Tree - Woody plants 3 in. (7.6 cm) or more in 9. Viola bicolor No **FACU** diameter at breast height (DBH), regardless of height. Achillea millefolium 3 No **FACU** Sapling/shrub - Woody plants less than 3 in. DBH 11. Equisetum arvense No FAC and greater than or equal to 3.28 ft (1 m) tall. 12. Herb - All herbaceous (non-woody) plants, regardless 90 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.) No wetlands above OHWM of adjacent ditch

Color (moist)	Depth	cription: (Describe to Matrix	io the d	=	<b>ocument</b> lox Featur		cator or	commin the absent	e of Ind	iicators.)	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.   Loamy/Clayey   SiL, contains 30% gravel, mixed fill		Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Rema	arks
8-12	0-8	10YR 4/6	90					Loamy/Clayey		SiL, contains	25% gravel
2.5Y 5/4 10  10YR 4/4 70  Loamy/Clayey SiCL, contains 30% gravel, mixed fill  10YR 3/2 20  10YR 4/4 10  10YR 4/4  10Depleted Matrix (A)  10YR 4/4 14BB  10YR 14/4		10YR 4/3	10						1		
12-24 10YR 4/4 70 Loamy/Clayey SiCL, contains 30% gravel, mixed fill 10YR 3/2 20 10YR 4/4 10  10	8-12	2.5Y 6/3	90					Loamy/Clayey		SiL, contains	5% gravel
10YR 3/2 20 10YR 4/4 10  1Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  PL=Pore Lining, M=Matrix.  Hydric Soil Indicators:  Histosol (A1) Polyvalue Below Surface (S8) (LRR R, L) Polyvalue Below Surface (S8) (LRR R, L) Polyvalue Below Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) S crom Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X		2.5Y 5/4	10								
†Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  †Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  †Type: Soil Indicators:  Historic Soil Indicators:  Historic Epipedon (A2)  Historic Epipedon (A2)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Startified Layers (A5)  Loamy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Sandy Rucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Redox (S5)  Redox Dark Surface (F8)  Sandy Mucky Mineral (S1)  Sandy Redox (S5)  Ared Parent Material (F21)  Sandy Redox (S5)  Ared Parent Material (F21)  Sandy Mucky Mineral (S6)  Dark Surface (S7)  †Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes  No  X	12-24	10YR 4/4	70					Loamy/Clayey	SiCL,	contains 30%	gravel, mixed fill
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  #Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Surface (A11) Depleted Below Dark Surface (A11) Stratified Layers (A5) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Dark Surface (S7)  Thin Dark Surface (F2) Stripped Matrix (S6) Marl (F10) (LRR K, L) Marl (F10) (LRR K, L) Hydric Soil Present?  #Hydric Soil Present?  #Hydric Soil Present?  ### Pupre Lining, M=Matrix.  Indicators for Problematic Hydric Soils³:  Location: PL=Pore Lining, M=Matrix.  Indicators for Problematic Hydric Soils*:  Indicators of Problematic Hydric Soils (F10) (LRR K, L, R)  Polyvalue Below Qinta (A16) (LRR K, L) Thin Dark Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)  Piedmont Floodplain Soils (F19) (MLRA 149B)  Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21)  Sandy Redox (S5) Redox Depressions (F8) Other (Explain in Remarks)  Type: Depth (inches): Hydric Soil Present?  Yes No X		10YR 3/2	20								
Hydric Soil Indicators:  Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A12) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7)  Alidicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Indicators for Problematic Hydric Soils?:    1		10YR 4/4	10								
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histosol (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, R)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Loamy Mucky Mineral (F1) (LRR K, L)  Thick Dark Surface (A12)  Depleted Below Dark Surface (A12)  Sandy Mucky Mineral (S1)  Redox Dark Surface (F6)  Sandy Gleyed Matrix (S4)  Black Histic (A3)  Thin Dark Surface (F6)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Arrick Cast											
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histosol (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, R)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stratified Layers (A5)  Loamy Mucky Mineral (F1) (LRR K, L)  Thick Dark Surface (A12)  Depleted Below Dark Surface (A12)  Sandy Mucky Mineral (S1)  Redox Dark Surface (F6)  Sandy Gleyed Matrix (S4)  Black Histic (A3)  Thin Dark Surface (F6)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Arrick Cast											
Hydric Soil Indicators:  Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A12) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7)  Alindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Indicators for Problematic Hydric Soils?:    1									1		
Hydric Soil Indicators:  Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A12) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7)  Alidicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Indicators for Problematic Hydric Soils?:  Indicators for Problematic Hydric Soils?:  2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L) Coast Prairie											
Hydric Soil Indicators:  Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A12) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7)  Alindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Indicators for Problematic Hydric Soils?:    1											
Hydric Soil Indicators:  Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A12) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7)  Alindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Indicators for Problematic Hydric Soils?:    1	1Type: C-C	angentration D-Deal	otion D	M_Raduaad Matrix		akad Sa	nd Crain	2l coation:	DI -Dor	o Lining M-M	lotriy
Histosol (A1)			ellon, R	M=Reduced Math	x, ivi5=ivia	skeu sa	na Grain				
Black Histic (A3)	-			Polyvalue Be	elow Surfa	ice (S8)	(LRR R,			-	
Hydrogen Sulfide (A4)  High Chroma Sands (S11) (LRR K, L)  Stratified Layers (A5)  Loamy Mucky Mineral (F1) (LRR K, L)  Depleted Below Dark Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Iron-Manganese Masses (F12) (LRR K, L, R)  Thick Dark Surface (A12)  Depleted Matrix (F3)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Other (Explain in Remarks)  Polyvalue Below Surface (S8) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Iron-Manganese Masses (F12) (LRR K, L, R)  Piedmont Floodplain Soils (F19) (MLRA 149B)  Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  Wery Shallow Dark Surface (F21)  Other (Explain in Remarks)  Type:  Depth (inches):  Hydric Soil Present?  Yes No X	Histic E	oipedon (A2)		MLRA 149	<b>9B</b> )			Coast	Prairie F	Redox (A16) (	RR K, L, R)
Stratified Layers (A5)	Black Hi	stic (A3)		Thin Dark Su	urface (S9	) (LRR F	R, MLRA	149B) 5 cm N	∕lucky Pe	eat or Peat (S	3) (LRR K, L, R)
Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Depleted Matrix (F3)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Redox (S5)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Other (Explain in Remarks)  John Surface (S7)  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes No X	Hydroge	en Sulfide (A4)		High Chroma	a Sands (	S11) ( <b>LR</b>	R K, L)	Polyva	lue Belo	w Surface (St	B) ( <b>LRR K, L</b> )
Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Stripped Matrix (S6)  Dark Surface (S7)  Piedmont Floodplain Soils (F19) (MLRA 149B)  Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Other (Explain in Remarks)  Joark Surface (S7)  Piedmont Floodplain Soils (F19) (MLRA 149B)  Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Other (Explain in Remarks)  Piedmont Floodplain Soils (F19) (MLRA 149B)  Mesic Spodic (TA6) (MLRA 149B)  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Other (Explain in Remarks)  Piedmont Floodplain Soils (F19) (MLRA 149B)  No X					-		RR K, L)				
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21)  Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22)  Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)  Dark Surface (S7)   3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present? Yes No X			(A11)			(F2)			-		
Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Red Parent Material (F21)  Very Shallow Dark Surface (F22)  Stripped Matrix (S6)  Marl (F10) (LRR K, L)  Other (Explain in Remarks)  Dark Surface (S7)   3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes No X											
Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22)  Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)  Dark Surface (S7)   3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches): Hydric Soil Present? Yes No X											144A, 145, 149B)
Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)  Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)  Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)  Stripped Matrix (S6) Other (Explain in Remarks)											F00\
Dark Surface (S7)  3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes  No  X		, ,				8)				,	F22)
3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes  No  X				Mari (F10) ( <b>L</b>	KK K, L)			Other	(Expiain	in Remarks)	
Restrictive Layer (if observed):           Type:											
Type:		, , ,	ion and	wetland hydrology	must be	oresent,	unless di	sturbed or problema	tic.		
Depth (inches): Hydric Soil Present? Yes No X		Layer (ii observea).									
Remarks:	•	nches):						Hydric Soil Pres	ent?	Yes	No X
	Remarks:			<u></u>							<u> </u>

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022							
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P9							
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E							
Landform (hillside, terrace, etc.): level plain Local	relief (concave, convex, none):none Slope %: 0-2							
Subregion (LRR or MLRA): LRR K Lat:								
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)							
Are Vegetation, Soil _X, or Hydrology significantly distur	<del></del>							
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing same	npling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area							
Hydric Soil Present?  Yes  No X	within a Wetland? Yes No X							
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:							
Remarks: (Explain alternative procedures here or in a separate report.) Based on the USACE APT tool, conditions at the time of sampling were exupland filled area.	xpected to be within the normal preceipitation range. Plot was located in an							
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) Water-Stained Leaves (I	B9) Drainage Patterns (B10)							
High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)							
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)							
Water Marks (B1) Hydrogen Sulfide Odor (	(C1) Crayfish Burrows (C8)							
Sediment Deposits (B2)  Oxidized Rhizospheres of	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)							
Drift Deposits (B3) Presence of Reduced Iro	Iron (C4) Stunted or Stressed Plants (D1)							
Algal Mat or Crust (B4) Recent Iron Reduction in	n in Tilled Soils (C6) Geomorphic Position (D2)							
Iron Deposits (B5) Thin Muck Surface (C7)	7) Shallow Aquitard (D3)							
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	rks) Microtopographic Relief (D4)							
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No X Depth (inches):	: <u></u>							
Water Table Present? Yes No X Depth (inches):	:							
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No X							
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:							
Demonitor								
Remarks:								

 VEGETATION – Use scientific names of plants.
 Sampling Point:
 P9

<u>Tree Stratum</u> (Plot size: )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus pumila	5	Yes	FACU	
Populus deltoides	5	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
3.		163	TAC	That Ale OBE, I AGW, OFF AG.
4.				Total Number of Dominant Species Across All Strata: 5 (B)
				Species Across All Strata: 5 (B)
				Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B)
6.				That Are OBL, FACW, or FAC: 40.0% (A/B)  Prevalence Index worksheet:
7		-Total Cayor		
Sapling/Shrub Stratum (Plot size: )	10	=Total Cover		Total % Cover of: Multiply by:  OBL species 0 x 1 = 0
1. Salix interior	10	Yes	FACW	FACW species 13 x 2 = 26
2				FAC species 5 x 3 = 15
3.				FACU species 69 x 4 = 276
1		· <del></del>		UPL species 5 x 5 = 25
		· <del></del>		Column Totals: 92 (A) 342 (B)
6				Prevalence Index = B/A = 3.72
7.				Hydrophytic Vegetation Indicators:
··	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:		_ Total Cover		2 - Dominance Test is >50%
1. Solidago canadensis	30	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Taraxacum officinale	5	No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Viola bicolor	5	No	FACU	data in Remarks or on a separate sheet)
4. Poa pratensis	20	Yes	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Bromus inermis	5	No	UPL	<del>-</del>
6. Phalaris arundinacea	3	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	1			
Arctium minus     Glechoma hederacea	3	No No	FACU FACU	Definitions of Vegetation Strata:
9.		INO	TACO	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				diameter at breast height (DBH), regardless of height.
-				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11 12.				
12.	72	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: )	12	= 10tal Covel		of size, and woody plants less than 3.20 it tall.
				Woody vines – All woody vines greater than 3.28 ft in height.
				neight.
				Hydrophytic
				Vegetation Present? Yes No X
4		=Total Cover		Present? Yes No X
Describe (helede alede see le section de la constant de la constan		•		
Remarks: (Include photo numbers here or on a sep	arate sneet	I.)		

Profile Desc Depth	ription: (Describe Matrix	to the d	epth needed to doo Redox	<b>ument</b> Featur		cator or	confirm the absen	ce of indi	cators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remar	ks
0-6	10YR 3/2	100					Loamy/Clayey		SiCL	
6-13	10YR 5/4	100					Loamy/Clayey		SiCL	
13-24	10YR 4/4	90					Loamy/Clayey	SiCL,	contains 25%	gravel, mixed fill
	10YR 5/4	10								
								-		
¹Type: C=Co	oncentration, D=Dep	letion, R	M=Reduced Matrix,	MS=Ma	sked Sa	nd Grains	s. <sup>2</sup> Location:	PL=Pore	Lining, M=Ma	ıtrix.
Hydric Soil I									lematic Hydri	
Histosol			Polyvalue Belo		ice (S8)	(LRR R,			0) (LRR K, L, I	
Black Hi	oipedon (A2)		MLRA 149B) Thin Dark Surfa	•	) (I RR F	NI RA			edox (A16) ( <b>LF</b> at or Peat (S3)	(LRR K, L, R)
	n Sulfide (A4)		High Chroma S				-	v Surface (S8)		
	Layers (A5)		Loamy Mucky			-			ce (S9) (LRR	
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix	(F2)		Iron-M	langanese	e Masses (F12	2) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri				Piedm	ont Flood	lplain Soils (F1	9) ( <b>MLRA 149B</b> )
	lucky Mineral (S1)		Redox Dark Su							44A, 145, 149B)
	ileyed Matrix (S4)		Depleted Dark						erial (F21)	00)
	edox (S5)		Redox Depress		8)				ark Surface (F	22)
	Matrix (S6) rface (S7)		Marl (F10) ( <b>LR</b>	K K, L)			Other	(Explain i	n Remarks)	
	1400 (01)									
	, , , ,		wetland hydrology m	ust be	present,	unless di	sturbed or problema	ıtic.		
	_ayer (if observed):									
Type:									v	
Depth (ir	ncnes):						Hydric Soil Pres	sent?	Yes	No X
Remarks:										

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P10						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
Landform (hillside, terrace, etc.): level plain Local	relief (concave, convex, none):none Slope %: 0-2						
Subregion (LRR or MLRA): LRR K Lat:							
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation, Soil _X, or Hydrology significantly disturb							
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present?  Yes No X	within a Wetland? Yes No X						
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.) Based on the USACE APT tool, conditions at the time of sampling were exupland fill area.	expected to be within the normal preceipitation range. Plot was located in an						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (Fig. 2)	B9) Drainage Patterns (B10)						
High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)						
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)						
Water Marks (B1) Hydrogen Sulfide Odor (	r (C1) Crayfish Burrows (C8)						
Sediment Deposits (B2)  Oxidized Rhizospheres of	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3) Presence of Reduced Iro	Iron (C4) Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4) Recent Iron Reduction ir	in Tilled Soils (C6) Geomorphic Position (D2)						
Iron Deposits (B5) Thin Muck Surface (C7)	7) Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	narks) Microtopographic Relief (D4)						
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):	: <u> </u>						
Water Table Present? Yes No X Depth (inches):							
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No X						
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							
Remarks.							

**VEGETATION** – Use scientific names of plants. Sampling Point:

<u>Tree Stratum</u> (Plot size: )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer saccharinum	8	Yes	FACW	
Ulmus pumila	3	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
3. Populus deltoides	3	Yes	FAC	
4				Total Number of Dominant Species Across All Strata: 7 (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 57.1% (A/B)
7.				Prevalence Index worksheet:
	14	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: )				OBL species 0 x 1 = 0
1. Salix interior	35	Yes	FACW	FACW species 53 x 2 = 106
2.				FAC species 3 x 3 = 9
3.				FACU species 52 x 4 = 208
4.				UPL species 3 x 5 = 15
5.				Column Totals: 111 (A) 338 (B)
6.				Prevalence Index = B/A = 3.05
7.				Hydrophytic Vegetation Indicators:
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: )				X 2 - Dominance Test is >50%
1. Poa pratensis	25	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Solidago gigantea	10	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Solidago canadensis	10	Yes	FACU	data in Remarks or on a separate sheet)
4. Cirsium arvense	3	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Cirsium vulgare	3	No	FACU	1 Indicators of hydric coil and watland hydrology must
6. Euphorbia esula	3	No	UPL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Taraxacum officinale	1	No	FACU	Definitions of Vegetation Strata:
8. Glechoma hederacea	5	No	FACU	Trace (Weeks plants 2 in 77 C and ) as many in
9. Arctium minus	2	No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Continuate Woods plants less than 2 in DDI
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	62	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3				Hydrophytic Vegetation
4				Present? Yes X No No
		=Total Cover		
Remarks: (Include photo numbers here or on a sep	arate sheet	.)		

P10

Profile Desc Depth	cription: (Describe Matrix	to the d	•	<b>ument</b> Featur		cator or	confirm the absence	of indicators.)			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remark	ks		
0-8	10YR 3/2	100					Loamy/Clayey	SiCL			
8-24	10YR 4/4	67					Loamy/Clayey	SiCL, 20% grave	el, mixed fill		
	10YR 5/4	20						J			
	10YR 4/6	10									
	10YR 3/2	3									
	1011(3/2										
							<del></del> -				
		letion, R	M=Reduced Matrix,	MS=Ma	sked Sa	nd Grains		L=Pore Lining, M=Ma			
Hydric Soil I			Polyvaluo Polo	w Surfe	200 (88)	/I DD D		or Problematic Hydri			
Histosol	oipedon (A2)		Polyvalue Belo		ice (36)	(LKK K,	2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)				
Black His			Thin Dark Surfa	•	) (LRR F	R, MLRA		ucky Peat or Peat (S3)			
	n Sulfide (A4)		High Chroma S				Polyvalue Below Surface (S8) (LRR K, L)				
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dar	rk Surface (S9) (LRR	K, L)		
	d Below Dark Surfac	e (A11)	Loamy Gleyed	Matrix	(F2)		Iron-Mar	nganese Masses (F12	) (LRR K, L, R)		
	ark Surface (A12)		Depleted Matri					nt Floodplain Soils (F1			
	lucky Mineral (S1)		Redox Dark Su					podic (TA6) (MLRA 14	14A, 145, 149B)		
	Sleyed Matrix (S4)		Depleted Dark					ent Material (F21)	00)		
	ledox (S5) Matrix (S6)		Redox Depress Marl (F10) (LR		0)			allow Dark Surface (Fi Explain in Remarks)	22)		
	rface (S7)		Wan (i 10) ( <b>LK</b>	IX IX, L)			Other (E	.xpiaiii iii itemaiks)			
	, , , ,		wetland hydrology m	ust be	present,	unless di	sturbed or problemation	D			
Restrictive I	Layer (if observed):	:									
Depth (ir	nches):						Hydric Soil Prese	nt? Yes	No_X_		
Remarks:			<del></del>				11,41.10 0011 1 10001		<u> </u>		
rtomanto.											

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P11						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
	relief (concave, convex, none):none Slope %: 0-1						
	Long: Datum:						
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation , Soil , or Hydrology significantly disturb	<del></del>						
<del></del>							
Are Vegetation, Soil, or Hydrologynaturally problems							
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.) Based on the USACE APT tool, conditions at the time of sampling were ex shallow marsh at the toe of fill.	spected to be within the normal preceipitation range. Plot was located in a						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (E	B9) Drainage Patterns (B10)						
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)						
X 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 of	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3) Presence of Reduced Iro	Iron (C4) Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4) Recent Iron Reduction in	in Tilled Soils (C6) X Geomorphic Position (D2)						
Iron Deposits (B5) Thin Muck Surface (C7)							
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remark							
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):							
Water Table Present? Yes X No Depth (inches):							
Saturation Present? Yes X No Depth (inches):	Wetland Hydrology Present? Yes X No						
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre							
	avious inspections), il avaliable.						
Remarks:							

**VEGETATION**– Use scientific names of plants. Sampling Point: P11 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** (B) 4. Species Across All Strata: 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: OBL species 85 1. Salix interior **FACW FACW** species 20 x 2 = FAC species 0 0 2. x3 =0 3. FACU species x 4 = 0 4. UPL species 0 x 5 = 5. Column Totals: 105 125 1.19 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 5 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: ) X 2 - Dominance Test is >50% Typha X glauca 85 Yes OBL X 3 - Prevalence Index is ≤3.0<sup>1</sup> 15 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. Phalaris arundinacea **FACW** data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 100 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desci Depth	ription: (Describe Matrix	to the d	-	<b>ument</b> Featur		cator or	r confirm the absence of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
0-24	10YR 2/1	100			<del>,,</del>		Musky Loom/Clay Musky Sil
0-24	1011 2/1	100					Mucky Loam/Clay Mucky SiL
1							2
		letion, R	M=Reduced Matrix,	MS=Ma	sked Sa	nd Grain	
Hydric Soil II			Dobarduo Bolo	Curto	, (CO)	/I DD D	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (			Polyvalue Belo		ice (58)	(LKK K,	,2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Black His	pedon (A2)		Thin Dark Surf	•	) /I <b>P</b> P I	MIDA	
	Sulfide (A4)		High Chroma S				
	Layers (A5)		X Loamy Mucky			-	
	Below Dark Surface	e (A11)	Loamy Gleyed			, _,	Iron-Manganese Masses (F12) (LRR K, L, F
	rk Surface (A12)	,	Depleted Matri		,		Piedmont Floodplain Soils (F19) (MLRA 149
	ucky Mineral (S1)		Redox Dark Su		<del>-</del> 6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149
Sandy Gl	eyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent Material (F21)
Sandy Re	edox (S5)		Redox Depress	sions (F	8)		Very Shallow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)
Dark Sur	ace (S7)						
	, , , ,		wetland hydrology m	ust be	present,	unless d	disturbed or problematic.
	ayer (if observed):						
Type:							
Depth (in	ches):						Hydric Soil Present? Yes X No
Remarks:							

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P12						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
Landform (hillside, terrace, etc.): Level plain Local	relief (concave, convex, none):none Slope %: 0-1						
Subregion (LRR or MLRA): LRR K Lat:							
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation, Soil _X , or Hydrology significantly disturb							
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area						
Hydric Soil Present?  Yes  No X	within a Wetland? Yes No X						
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.) Based on the USACE APT tool, conditions at the time of sampling were ex upland old field fill area.	xpected to be within the normal preceipitation range. Plot was located in an						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (E	B9) Drainage Patterns (B10)						
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)						
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)						
Water Marks (B1) Hydrogen Sulfide Odor (	Crayfish Burrows (C8)						
Sediment Deposits (B2)  Oxidized Rhizospheres of	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3) Presence of Reduced Iro	Iron (C4) Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4) Recent Iron Reduction in	in Tilled Soils (C6) Geomorphic Position (D2)						
Iron Deposits (B5) Thin Muck Surface (C7)	7) Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remark							
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):	: <u> </u>						
Water Table Present? Yes No X Depth (inches):							
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No X						
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							
Relians.							

**VEGETATION** – Use scientific names of plants. Sampling Point: P12 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: Multiply by: =Total Cover Total % Cover of: Sapling/Shrub Stratum (Plot size: OBL species 1. Ulmus pumila FACU **FACW** species 10 x 2 = FAC species 0 0 2. x3 =72 x 4 = 3. FACU species 288 5 4. UPL species x 5 = 5. Column Totals: 87 333 3.83 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 5 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% Herb Stratum (Plot size: Solidago gigantea 10 No **FACW** 3 - Prevalence Index is ≤3.01 20 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. Yes **FACU** Solidago canadensis data in Remarks or on a separate sheet) 3. Lotus corniculatus 20 Yes **FACU** 25 4. Poa pratensis Yes **FACU** Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. Bromus inermis No UPL <sup>1</sup>Indicators of hydric soil and wetland hydrology must Taraxacum officinale 2 **FACU** be present, unless disturbed or problematic. 6. No 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in 9. diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 82 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Yes \_\_ Present? No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desc Depth	ription: (Describe Matrix	to the d	-	<b>ument</b> Featur		cator or	confirm the absence	of indica	ators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	(S
0-24	10YR 5/4	90					Loamy/Clayey	Sil co	ntains 50% d	ravel, mixed fill
								0.2, 00.		
	10YR 3/2	10								
			•							-1
			<del></del>							
										-1
<sup>1</sup> Type: C=Co	ncentration, D=Dep	letion, R	M=Reduced Matrix,	MS=Ma	sked Sa	nd Grains	s. <sup>2</sup> Location: I	PL=Pore L	ining, M=Ma	trix.
Hydric Soil I	ndicators:						Indicators	or Proble	ematic Hydri	c Soils³:
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8)	(LRR R,	2 cm M	uck (A10)	(LRR K, L, N	/ILRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B	)			Coast F	rairie Red	dox (A16) ( <b>LF</b>	R K, L, R)
Black His			Thin Dark Surf							(LRR K, L, R)
	n Sulfide (A4)		High Chroma S			-			Surface (S8)	
	Layers (A5)	(0.44)	Loamy Mucky			RR K, L)			e (S9) ( <b>LRR</b> I	
	Below Dark Surface rk Surface (A12)	e (A11)	Loamy Gleyed		(F2)			-		) (LRR K, L, R)
	ucky Mineral (S1)		Depleted Matri Redox Dark Su		<b>-6</b> )					9) (MLRA 149B) 4A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					rent Mate		147, 143, 1430)
	edox (S5)		Redox Depress						k Surface (F2	22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>		-,				Remarks)	,
Dark Sur				,			<del></del> `	·	,	
	, , , ,		wetland hydrology m	ust be	present,	unless di	sturbed or problemati	c.		
	.ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Prese	nt?	Yes	No X
Remarks:										

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P13						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
Landform (hillside, terrace, etc.): ditch Local	relief (concave, convex, none):concave Slope %: 2-4						
Subregion (LRR or MLRA): LRR K Lat:	Long: Datum:						
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation , Soil , or Hydrology significantly disturb	<del></del>						
Are Vegetation , Soil , or Hydrology naturally problema	<del></del>						
SUMMARY OF FINDINGS – Attach site map showing sam							
Solwinant of Findings - Attach site map showing same	T						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were ex within a lower bank of excavated ditch.	spected to be within the normal preceipitation range. Plot was located						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (E							
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)						
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)						
Water Marks (B1) Hydrogen Sulfide Odor (	Crayfish Burrows (C8)						
Sediment Deposits (B2)  Oxidized Rhizospheres of	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4)Recent Iron Reduction ir	n Tilled Soils (C6) X Geomorphic Position (D2)						
Iron Deposits (B5) Thin Muck Surface (C7)	7) Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remark							
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):							
Water Table Present? Yes X No Depth (inches):							
Saturation Present? Yes X No Depth (inches):	:1 Wetland Hydrology Present? Yes X No						
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							
Remarks.							

**VEGETATION**– Use scientific names of plants. Sampling Point: P13 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: ) OBL species **FACW** species 5 x 2 = FAC species 0 0 x3 =FACU species 0 3. x 4 = 0 UPL species 0 x 5 = Column Totals: 80 85 (B) 1.06 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: ) X 2 - Dominance Test is >50% Typha X glauca 75 OBL X 3 - Prevalence Index is ≤3.0<sup>1</sup> 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. Phalaris arundinacea **FACW** data in Remarks or on a separate sheet) 3. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 4. 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 80 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Depth	Matrix			Feature				•		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-11	10YR 3/1	82	10YR 5/8	8	<u>C</u>	<u>M</u>	Loamy/Clayey	Prominent redox concentrations		
	10YR 2/1	10								
11-24	10YR 5/1	70					Loamy/Clayey	SiL, mixed profile		
	10YR 3/1	20	10YR 5/8	10	<u>C</u>	<u>M</u>		Prominent redox concentrations		
						<u> </u>				
		<u> </u>			<u> </u>	<u> </u>				
					<u> </u>	<u> </u>				
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RI	M=Reduced Matrix,	MS=Ma	sked Sa	nd Grains		PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :		
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) X Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7)			Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed Depleted Matri X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	) ace (S9 Sands (S Mineral Matrix ( x (F3) urface (F Surface sions (F R K, L)	(LRR F 611) (LR (F1) (LR F2) (F6) (F7) 8)	R, MLRA R K, L)	2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)			
	f hydrophytic vegetat  Layer (if observed):	ion and v	vetland hydrology m	ust be p	resent,	unless di	sturbed or problemati	ic.		
Type:										
Depth (ir	nches):						Hydric Soil Prese	ent? Yes X No		
Remarks:										

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P14						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
Landform (hillside, terrace, etc.): level plain Local	relief (concave, convex, none):none Slope %: 0-2						
Subregion (LRR or MLRA): LRR K Lat:							
Soil Map Unit Name: Gravel Pit (Gp)	NWI classification: E1K (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation, Soil _X, or Hydrologysignificantly disturb							
Are Vegetation, Soil, or Hydrology naturally problema	atic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area						
Hydric Soil Present?  Yes  No X  No X	within a Wetland? Yes No X						
Wetland Hydrology Present?  Yes  No X	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)							
	xpected to be within the normal preceipitation range. Plot was located in an						
upland old field fill area.	poolod to 50						
L HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (E							
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 (							
Sediment Deposits (B2)  Oxidized Rhizospheres of							
Drift Deposits (B3)  Presence of Reduced Iro							
Algal Mat or Crust (B4)  Recent Iron Reduction in	<u> </u>						
Iron Deposits (B5)  Thin Muck Surface (C7)							
Inundation Visible on Aerial Imagery (B7)  Other (Explain in Remark							
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):							
Water Table Present? Yes No X Depth (inches):							
Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches):							
(includes capillary fringe)	wedaliu nydrology Fleselit: 165 No						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	enjoine ineventione) if available:						
Describe Necolucu Data (stream gauge, monitoring won, achai photos, pro	evious inspections), il available.						
Remarks:							
remains.							

 VEGETATION – Use scientific names of plants.
 Sampling Point:
 P14

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer negundo	10	Yes	FAC	Number of Dominant Species
2.				That Are OBL, FACW, or FAC: 2 (A)
3.				Total Number of Dominant
4.				Species Across All Strata: 5 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 40.0% (A/B)
7.				Prevalence Index worksheet:
<del></del>		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
Populus deltoides	12	Yes	FAC	FACW species 5 x 2 = 10
2. Ulmus pumila	1	No	FACU	FAC species 22 x 3 = 66
3. Lonicera X bella	8	Yes	FACU	FACU species 49 x 4 = 196
4				UPL species17 x 5 =85
5				Column Totals: 93 (A) 357 (B)
6.				Prevalence Index = B/A = 3.84
7.				Hydrophytic Vegetation Indicators:
	21	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: )				2 - Dominance Test is >50%
1. Phalaris arundinacea	5	No	FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Poa pratensis	20	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Euphorbia esula	10	No	UPL	data in Remarks or on a separate sheet)
4. Solidago canadensis	15	Yes	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Taraxacum officinale	5	No	FACU	Indicators of hydric soil and wetland hydrology must
6. Daucus carota	5	No	UPL	be present, unless disturbed or problematic.
7. Anthriscus sylvestris	2	No	UPL	Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	62	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: )				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sep	arate sheet.	.)		

Profile Desc Depth	ription: (Describe Matrix	to the d	epth needed to doo Redox	<b>ument</b> Featur		cator or	confirm the abser	ce of indi	icators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	_	Remarks	
0-9	10YR 2/2	80					Loamy/Clayey SiO		SiCL, mixed	d profile
	10YR 5/4	20								
9-24	10YR 5/4	85					Loamy/Clayey	SiCL, contains 20% gravel, mixed fil		gravel, mixed fill
	10YR 3/2	5								
	10YR 4/4	10						-		
1- 0.0				<del></del>			2,			
Type: C=Co		M=Reduced Matrix,	MS=Ma	isked Sa	nd Grains			Lining, M=Ma		
Histosol			Polyvalue Below Surface (S8) (LRR R,				Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) (LRR K, L, MLRA 149B)			
	ipedon (A2)		MLRA 149B)				Coast Prairie Redox (A16) (LRR K, L, R)			
Black His	stic (A3)		Thin Dark Surface (S9) (LRR R, MLRA				149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
Hydrogei	n Sulfide (A4)		High Chroma Sands (S11) (LRR K, L)				Polyvalue Below Surface (S8) (LRR K, L)			
	Layers (A5)		Loamy Mucky Mineral (F1) (LRR K, L)				Thin Dark Surface (S9) (LRR K, L)			
	Below Dark Surface	e (A11)	Loamy Gleyed Matrix (F2)				Iron-Manganese Masses (F12) (LRR K, L, R)			
Thick Dark Surface (A12)			Depleted Matrix (F3)				Piedmont Floodplain Soils (F19) (MLRA 149B)			
Sandy Mucky Mineral (S1)			Redox Dark Surface (F6) Depleted Dark Surface (F7)				Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21)			
Sandy Gleyed Matrix (S4) Sandy Redox (S5)			Redox Depress			Very Shallow Dark Surface (F22)				
Stripped Matrix (S6)			Marl (F10) (LRR K, L)				Other (Explain in Remarks)			
Dark Surface (S7)										
<sup>3</sup> Indicators of	hydrophytic yegotot	ion and	wetland hydrology m	ust bo	orocont	unlaga di	aturbad ar problem	otio		
	ayer (if observed):		wettand nydrology m	iust be	present,	uriiess ui	sturbed or problem	alic.		
Type:										
Depth (in	Depth (inches):							Hydric Soil Present? Yes No _X_		
Remarks:										

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022					
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P15					
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E					
Landform (hillside, terrace, etc.): ditch bed Local						
Subregion (LRR or MLRA): LRR K Lat:	· · · · · · · · · · · · · · · · · · ·					
Soil Map Unit Name: Gravel Pit (Gp)	NWI classification: E1K (WWI)					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturb						
Are Vegetation, Soil, or Hydrologynaturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam	ppling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present?  Yes X No	within a Wetland? Yes X No					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)	<u></u>					
Based on the USACE APT tool, conditions at the time of sampling were ex	spected to be within the normal preceipitation range. Plot was located in an					
excavated ditch bed.						
LIVEROLOGY						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
X Surface Water (A1) Water-Stained Leaves (B						
X High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)					
X Saturation (A3)Marl Deposits (B15)						
Water Marks (B1)  Hydrogen Sulfide Odor (						
Sediment Deposits (B2)  Oxidized Rhizospheres of Deposits (B2)						
Drift Deposits (B3) Presence of Reduced Iro	• • • • • • • • • • • • • • • • • • • •					
<u> </u>	n in Tilled Soils (C6) X Geomorphic Position (D2)					
Iron Deposits (B5)  Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes X No Depth (inches):						
Water Table Present? Yes X No Depth (inches):						
Saturation Present? Yes X No Depth (inches):	Wetland Hydrology Present? Yes X No					
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre						
Describe Necorded Data (stream gauge, monitoring well, dental photos, pre	svious irrspections), ir available.					
Remarks:						

**VEGETATION**– Use scientific names of plants. Sampling Point: P15 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** (B) 4. Species Across All Strata: 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: 35 Sapling/Shrub Stratum (Plot size: ) OBL species 5 **FACW** species x 2 = FAC species 0 0 x3 =FACU species 0 x 4 = 3. 0 UPL species 0 x 5 = 5. Column Totals: 40 45 (B) 1.13 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: ) X 2 - Dominance Test is >50% Typha X glauca 25 OBL X 3 - Prevalence Index is ≤3.0<sup>1</sup> 10 \_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. Yes OBL Lemna minor data in Remarks or on a separate sheet) 5 **FACW** 3. Phalaris arundinacea No Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 4. 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 40 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.) Vegetation characteristic of mudflat.

Profile Desc Depth	cription: (Describe Matrix	to the d	-	<b>cument</b> x Featur		icator or	confirm the absence	of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-24	10YR 2/1	50					Mucky Loam/Clay	Mucky SiL		
	10YR 3/1	20								
	10YR 4/2	20	10YR 5/6	10	С	M		Prominent redox concentration	ns.	
	1011111/2		10111070					T TOTALION TO GOA CONSCINIALION		
									—	
1		. —					2			
Type: C=Concentration, D=Depletion, F  Hydric Soil Indicators:			RM=Reduced Matrix, MS=Masked Sand Grain					L=Pore Lining, M=Matrix. or Problematic Hydric Soils <sup>3</sup> :		
Histosol			Polyvalue Below Surface (S8) (LRR R,							
	pipedon (A2)		MLRA 149B)				Coast Prairie Redox (A16) (LRR K, L, R)			
Black His			Thin Dark Surface (S9) (LRR R, MLRA							
	n Sulfide (A4)		High Chroma Sands (S11) (LRR K, L)				Polyvalue Below Surface (S8) (LRR K, L)			
	d Layers (A5) d Below Dark Surface	o (Δ11)	X Loamy Mucky Mineral (F1) (LRR K, L)				Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R)			
		e (ATT)	Loamy Gleyed Matrix (F2)  Depleted Matrix (F3)				Piedmont Floodplain Soils (F19) (MLRA 149B)			
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)			X Redox Dark St		F6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Sandy Gleyed Matrix (S4)			Depleted Dark				Red Parent Material (F21)			
Sandy Redox (S5)			Redox Depres				Very Shallow Dark Surface (F22)			
Stripped Matrix (S6)			Marl (F10) ( <b>LRR K, L</b> )				Other (Explain in Remarks)			
Dark Sui	rface (S7)									
<sup>3</sup> Indicators of	f hydrophytic vegetat	tion and	wetland hydrology m	nust be	present.	unless d	isturbed or problematio	2		
	Layer (if observed):		nonana nyarology n		p. 000,		production of production of the production of th			
Type:										
Depth (ir	nches):						Hydric Soil Prese	nt? Yes X No No	_	
Remarks:										
Sediment pre	esent.									

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022							
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P16							
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E							
Landform (hillside, terrace, etc.): level plain Local								
Subregion (LRR or MLRA): LRR K Lat:								
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)							
Are Vegetation, SoilX_, or Hydrology significantly distur								
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing same	pling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area							
Hydric Soil Present?  Yes  No X	within a Wetland? Yes No X							
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:							
Remarks: (Explain alternative procedures here or in a separate report.) Based on the USACE APT tool, conditions at the time of sampling were ex old field within a filled upland.	xpected to be within the normal preceipitation range. Plot was located in an							
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) Water-Stained Leaves (I	B9) Drainage Patterns (B10)							
High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)							
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)							
Water Marks (B1) Hydrogen Sulfide Odor (	r (C1) Crayfish Burrows (C8)							
Sediment Deposits (B2)  Oxidized Rhizospheres of								
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)							
Algal Mat or Crust (B4) Recent Iron Reduction in	n in Tilled Soils (C6) Geomorphic Position (D2)							
Iron Deposits (B5) Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·							
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	marks) Microtopographic Relief (D4)							
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No X Depth (inches):	: <u></u> _							
Water Table Present? Yes No X Depth (inches):	: <u> </u>							
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes No _X							
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:							
Demorko								
Remarks:								

 VEGETATION – Use scientific names of plants.
 Sampling Point:
 P16

<u>Tree Stratum</u> (Plot size: )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:					
1. Ulmus pumila	25	Yes	FACU	Number of Dominant Species					
2.				That Are OBL, FACW, or FAC: 1 (A)					
3.				Total Number of Deminent					
4.				Total Number of Dominant Species Across All Strata: 5 (B)					
5.				Descript of Descriptors Chapter					
6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)					
7.				Prevalence Index worksheet:					
	25	=Total Cover		Total % Cover of: Multiply by:					
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0					
1. Lonicera X bella	5	Yes	FACU	FACW species 10 x 2 = 20					
2. Populus deltoides	3	Yes	FAC	FAC species 3 x 3 = 9					
3				FACU species 117 x 4 = 468					
4				UPL species11 x 5 =55					
5				Column Totals: 141 (A) 552 (B)					
6.				Prevalence Index = B/A = 3.91					
7.				Hydrophytic Vegetation Indicators:					
	8	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation					
Herb Stratum (Plot size: )				2 - Dominance Test is >50%					
1. Solidago canadensis	40	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>					
2. Poa pratensis	20	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting					
3. Phalaris arundinacea	10	No	FACW	data in Remarks or on a separate sheet)					
4. Bromus inermis	5	No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)					
5. Erigeron strigosus	5	No	FACU	-   <del>-</del>					
6. Arctium minus	8	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.					
7. Glechoma hederacea	12	No	FACU	Definitions of Vegetation Strata:					
8. Daucus carota	3	No	UPL						
9. Euphorbia esula	3	No	UPL	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.					
10. Taraxacum officinale	2	No	FACU						
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.					
12.				Harb All barbassas (ran wash) plants reportless					
	108	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.					
Woody Vine Stratum (Plot size: )									
1.				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.					
2.									
3.				Hydrophytic					
4.				Vegetation Present? Yes No X					
		=Total Cover							
Remarks: (Include photo numbers here or on a sep									
		•,							

Profile Desc Depth	cription: (Describe Matrix	to the d	-	<b>ument</b> Featur		cator or	confirm the absence	of indic	cators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remar	ks	
0-9	10YR 5/4	100	·				Loamy/Clayey		L		
9-18	10YR 5/3	75					Loamy/Clayey		L, mixed	d fill	
	10YR 5/4	20					, , , ,		·		
	10YR 3/2	5					_				
		<u> </u>									
·											
							_				
							_				
		letion, R	M=Reduced Matrix, I	MS=Ma	sked Sa	nd Grains			Lining, M=Ma		
Hydric Soil I Histosol			Polyvalue Belo	w Surfa	nce (S8)	LRR R.			ematic Hydri ) (LRR K, L, I		
	pipedon (A2)		MLRA 149B)		(00)	(=,			dox (A16) ( <b>LF</b>		
Black His	stic (A3)		Thin Dark Surfa	ace (S9	) (LRR F	R, MLRA	149B) 5 cm M	ucky Pea	t or Peat (S3)	) (LRR K, L, R)	
Hydroge	n Sulfide (A4)		High Chroma S			-	Polyval	ue Below	Surface (S8)	(LRR K, L)	
	d Layers (A5)		Loamy Mucky I			R K, L)			e (S9) ( <b>LRR</b>		
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			-		2) (LRR K, L, R)	
	ark Surface (A12)		Depleted Matrix		<b>-0</b> )					(9) (MLRA 149B)	
	Mucky Mineral (S1)		Redox Dark Su Depleted Dark				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)				
	Sleyed Matrix (S4) sedox (S5)		Redox Depress				Red Parent Material (F21)  Very Shallow Dark Surface (F22)				
	Matrix (S6)		Marl (F10) (LR		0)			Other (Explain in Remarks)			
	rface (S7)		Wan (i 10) (ER	IX IX, L)			Other (i		i Kemarks)		
	11400 (01)										
	, , , ,		wetland hydrology m	ust be p	present,	unless di	sturbed or problemati	C.			
Restrictive I	Layer (if observed):										
Depth (ir	oches):						Hydric Soil Prese	nt?	Yes	No X	
Remarks:							Tryunc 3011 Tese	111.:		<u> </u>	
Nemarks.											

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022							
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P17							
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E							
Landform (hillside, terrace, etc.): depression Local	relief (concave, convex, none):concave Slope %: 0-3							
	Long: Datum:							
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: none (WWI)							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)							
	<del></del>							
Are Vegetation, SoilX_, or Hydrologysignificantly disturb	<del></del>							
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)							
<b>SUMMARY OF FINDINGS – Attach site map showing sam</b>	pling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area							
Hydric Soil Present?  Yes X No	within a Wetland? Yes X No							
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:							
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were expected to be within the normal preceipitation range. Plot was a phrag pocket within a depression in fill.								
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) Water-Stained Leaves (I								
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 (								
Sediment Deposits (B2)  Oxidized Rhizospheres of								
Drift Deposits (B3) Presence of Reduced Iro								
Algal Mat or Crust (B4)Recent Iron Reduction ir	n in Tilled Soils (C6) X Geomorphic Position (D2)							
Iron Deposits (B5) Thin Muck Surface (C7)	7) Shallow Aquitard (D3)							
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remar								
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No X Depth (inches):								
Water Table Present? Yes No X Depth (inches):								
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes X No							
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:							
Remarks:								

**VEGETATION**– Use scientific names of plants. Sampling Point: P17 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: Multiply by: =Total Cover Total % Cover of: Sapling/Shrub Stratum (Plot size: OBL species Acer negundo FAC **FACW** species 104 x 2 =208 Fraxinus pennsylvanica Yes **FACW** FAC species 5 x3 =15 0 3. FACU species x 4 = 0 4. UPL species 0 x 5 = 5. Column Totals: 109 223 2.05 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 7 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: X 2 - Dominance Test is >50% Phragmites australis 100 Yes **FACW** X 3 - Prevalence Index is ≤3.0<sup>1</sup> 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. Phalaris arundinacea **FACW** data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 102 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desc	ription: (Describe t	to the d	epth needed to doc	ument	the indi	cator or	confirm the absence	e of indicate	ors.)		
Depth	Matrix			Featur							
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	<u> </u>	
0-3	10YR 2/1	100					Loamy/Clayey		SiCL		
3-8	10YR 5/3	90	10YR 5/6	10	<u>C</u>	<u>M</u>	Loamy/Clayey	Distino	ct redox cond	entrations	
8-24	10YR 5/2	65	10YR 5/8	10	<u>C</u>	<u>M</u>	Loamy/Clayey	Prominent redox of	concentrations, contai	ns 10% gravel, mixed fill	
	10YR 5/3	25									
<sup>1</sup> Type: C=Co	ncentration, D=Depl	etion, R	M=Reduced Matrix, I	MS=Ma	sked Sa	nd Grain	s. <sup>2</sup> Location:	PL=Pore Lin	ning, M=Matri	x.	
Hydric Soil I	ndicators:						Indicators	for Problem	natic Hydric	Soils <sup>3</sup> :	
Histosol	` '		Polyvalue Belo		ice (S8)	LRR R,			LRR K, L, MI		
	ipedon (A2)		MLRA 149B)	,					x (A16) ( <b>LRR</b>	· ·	
Black His			Thin Dark Surfa					-		LRR K, L, R)	
	n Sulfide (A4)		High Chroma S			-			urface (S8) ( <b>I</b>	-	
	Layers (A5)	(044)	Loamy Mucky I			R K, L)			(S9) ( <b>LRR K</b> ,	•	
	Below Dark Surface	e (A11)	Loamy Gleyed		(F2)		Iron-Manganese Masses (F12) (LRR K, L, R)				
	rk Surface (A12) ucky Mineral (S1)		X Depleted Matrix Redox Dark Su		<b>-6</b> )		Piedmont Floodplain Soils (F19) (MLRA 149B)  Mesic Specie (TA6) (MLRA 144A 145 149B)				
	leyed Matrix (S4)		Depleted Dark				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)				
	edox (S5)		Redox Depress				Red Parent Material (F21)  Very Shallow Dark Surface (F22)				
	Matrix (S6)		Marl (F10) (LR	•	0)						
	face (S7)		(VIAIT (1 10) (ER	IX IX, ∟)			Other (Explain in Remarks)				
Dark Sur	iace (ST)										
		ion and	wetland hydrology m	ust be p	oresent,	unless d	isturbed or problema	tic.			
Type:	.ayer (if observed):										
Depth (in	nches):						Hydric Soil Pres	ent?	Yes X	No	
Remarks:			<u> </u>				l.				

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P18						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
Landform (hillside, terrace, etc.): low ridge Local	relief (concave, convex, none):convex Slope %: 3-4						
Subregion (LRR or MLRA): LRR K Lat:							
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb							
Are Vegetation, Soil, or Hydrology naturally problema	atic? (If needed, explain any answers in Remarks.)						
<b>SUMMARY OF FINDINGS – Attach site map showing sam</b>	pling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present?  Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)							
Based on the USACE APT tool, conditions at the time of sampling were ex characteristic of a wet meadow and was positioned in a low ridge between	1 1 9						
characteristic of a wet meadow and was positioned in a low huge between	Greek and diton.						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (E							
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 (							
Sediment Deposits (B2)  Oxidized Rhizospheres of							
Drift Deposits (B3) Presence of Reduced Iro							
Algal Mat or Crust (B4) Recent Iron Reduction in	n in Tilled Soils (C6) X Geomorphic Position (D2)						
Iron Deposits (B5) Thin Muck Surface (C7)							
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	rks) Microtopographic Relief (D4)						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):	: <u> </u>						
Water Table Present? Yes No X Depth (inches):	: <u></u> -						
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes X No						
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							
Remarks.							

**VEGETATION**– Use scientific names of plants. Sampling Point: P18 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** (B) 4. Species Across All Strata: 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% Prevalence Index worksheet: =Total Cover Multiply by: Total % Cover of: Sapling/Shrub Stratum (Plot size: OBL species **FACW** species 100 x 2 = 200 FAC species 5 x 3 =15 0 3. FACU species x 4 = 0 UPL species 0 x 5 = Column Totals: 105 215 2.05 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: X 2 - Dominance Test is >50% Phalaris arundinacea 100 Yes **FACW** X 3 - Prevalence Index is ≤3.0<sup>1</sup> 4 - Morphological Adaptations<sup>1</sup> (Provide supporting Urtica dioica 2. FAC data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 105 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desc Depth	ription: (Describe Matrix	to the de	-	<mark>cument</mark> x Featur		cator or	confirm the absence	of indicator	rs.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	3
0-16	10YR 2/1	100					Loamy/Clayey	SiL		
16-24	10YR 4/2	92	10YR 5/8	8	С	M	Loamy/Clayey	Prominer	nt reday car	ncentrations
10.54	10111 7/2		10110 3/0		. —		Loamy/olayey	1 IOIIIIIOI	IL IGUOX COI	icentrations
					. —					
				_						
					· ——					
<sup>1</sup> Type: C=Cc	oncentration, D=Dep	letion, RI	M=Reduced Matrix,	MS=Ma	asked Sa	and Grain	s. <sup>2</sup> Location: F	L=Pore Linir	ng, M=Matri	ix.
Hydric Soil I					-			or Problema	_	
Histosol	(A1)		Polyvalue Belo	w Surfa שנ	ace (S8)	(LRR R,		uck (A10) ( <b>LF</b>	-	
Histic Ep	pipedon (A2)		MLRA 149B	5)			Coast Prairie Redox (A16) (LRR K, L,			₹ K, L, R)
Black His	stic (A3)		Thin Dark Surfa	ace (S9	Э) ( <b>LRR F</b>	R, MLRA	149B)5 cm Me	ucky Peat or	Peat (S3) (	LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Sands (	S11) ( <b>LF</b>	≀R K, L)	Polyvalı	ue Below Sur	rface (S8) ( <b>I</b>	LRR K, L)
	l Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LF</b>	RR K, L)	Thin Da	rk Surface (S	39) ( <b>LRR K</b> ,	, <b>L</b> )
	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix	(F2)		Iron-Ma	nganese Mas	sses (F12) (	(LRR K, L, R)
	ark Surface (A12)		Depleted Matri				Piedmo	nt Floodplain	Soils (F19)	) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su				Mesic S	podic (TA6)	(MLRA 144	IA, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					rent Material		
	edox (S5)		Redox Depress					allow Dark S		2)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)	)		Other (E	Explain in Rer	marks)	
Dark Sur	rface (S7)									
	f hydrophytic vegetat		vetland hydrology m	nust be	present,	unless di	isturbed or problemation	C.		
Type:	ayer (ii oboo. roa,.					ļ				
Depth (in	nches):						Hydric Soil Prese	nt? Y	res X	No
Remarks:										

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022							
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P19							
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E							
Landform (hillside, terrace, etc.): Upland Ridge Local								
Subregion (LRR or MLRA): LRR K Lat:								
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)							
Are Vegetation , Soil X , or Hydrology significantly distur-	<u> </u>							
<del></del>								
Are Vegetation, Soil, or Hydrologynaturally problems								
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area							
Hydric Soil Present? Yes No X	within a Wetland? Yes No X							
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:							
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were expected to be within the normal preceipitation range. Plot was an upland ridge between stream and ditch.								
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) Water-Stained Leaves (I	B9) Drainage Patterns (B10)							
High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)							
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)							
Water Marks (B1) Hydrogen Sulfide Odor (	Crayfish Burrows (C8)							
Sediment Deposits (B2)  Oxidized Rhizospheres of								
Drift Deposits (B3) Presence of Reduced Iro								
Algal Mat or Crust (B4) Recent Iron Reduction in	n in Tilled Soils (C6) Geomorphic Position (D2)							
Iron Deposits (B5) Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·							
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	arks) Microtopographic Relief (D4)							
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No X Depth (inches):	: <u></u>							
Water Table Present? Yes No X Depth (inches):								
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No X							
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:							
Remarks:								

**VEGETATION**– Use scientific names of plants. Sampling Point: P19 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** (B) 4. Species Across All Strata: 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: Multiply by: =Total Cover Total % Cover of: Sapling/Shrub Stratum (Plot size: ) OBL species **FACW** species 20 x 2 = FAC species 0 0 x 3 =FACU species 20 3. x 4 = 80 UPL species 55 x 5 = 5. Column Totals: 95 395 4.16 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover 2 - Dominance Test is >50% Herb Stratum (Plot size: ) Bromus inermis 50 Yes UPL 3 - Prevalence Index is ≤3.01 20 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. Yes **FACW** Phalaris arundinacea data in Remarks or on a separate sheet) 20 **FACU** 3. Solidago canadensis Yes 5 UPL 4. Euphorbia esula No Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 95 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Yes \_\_ Present? No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desc Depth	cription: (Describe Matrix	to the d	-	<b>ument</b> Featur		cator or	confirm the absence	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-24	10YR 4/3	65					Loamy/Clayey	SiL, mixed fill
	10YR 5/4	25					<u>, , , , , , , , , , , , , , , , , , , </u>	- ,
	10YR 2/1	10	·					
¹Type: C=Co	oncentration, D=Dep	letion, R	M=Reduced Matrix,	MS=Ma	sked Sa	nd Grains	s. <sup>2</sup> Location: Pl	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators fo	or Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo		ce (S8)	(LRR R,		ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
	pipedon (A2)		MLRA 149B)	•				rairie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surfa					cky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4) d Layers (A5)		High Chroma S Loamy Mucky			-		e Below Surface (S8) (LRR K, L) k Surface (S9) (LRR K, L)
	d Below Dark Surfac	e (A11)	Loamy Gleyed			, <b>_</b> /		nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	- ( )	Depleted Matri		(- –)			nt Floodplain Soils (F19) (MLRA 149B
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (l	<del>-</del> 6)		Mesic Sp	oodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	Bleyed Matrix (S4)		Depleted Dark					ent Material (F21)
	ledox (S5)		Redox Depress		8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)							
<sup>3</sup> Indicators of	f hydrophytic vegeta	tion and	wetland hydrology m	iust be	present,	unless di	sturbed or problematic	·.
	Layer (if observed):		, , ,				'	
Type:								
Depth (ir	nches):						Hydric Soil Presen	nt? Yes No X
Remarks:			-					

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022							
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P20							
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E							
Landform (hillside, terrace, etc.): upland gentle slope Local								
	Long: Datum:							
Soil Map Unit Name: Colwood silt loam	NWI classification: none (WWI)							
•								
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)							
Are Vegetation, Soil _X, or Hydrology significantly disturb	<del></del>							
Are Vegetation, Soil, or Hydrology naturally problema	atic? (If needed, explain any answers in Remarks.)							
<b>SUMMARY OF FINDINGS – Attach site map showing sam</b>	pling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area							
Hydric Soil Present?  Yes  No X  No X	within a Wetland? Yes No X							
Wetland Hydrology Present?  Yes  No X	If yes, optional Wetland Site ID:							
Remarks: (Explain alternative procedures here or in a separate report.)								
	xpected to be within the normal preceipitation range. Plot was located in an							
upland old field within a filled area.								
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) Water-Stained Leaves (E	B9) Drainage Patterns (B10)							
High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)							
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)							
Water Marks (B1) Hydrogen Sulfide Odor (	Crayfish Burrows (C8)							
Sediment Deposits (B2)  Oxidized Rhizospheres of	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)							
Drift Deposits (B3) Presence of Reduced Iro	Iron (C4) Stunted or Stressed Plants (D1)							
Algal Mat or Crust (B4) Recent Iron Reduction in	in Tilled Soils (C6) Geomorphic Position (D2)							
Iron Deposits (B5) Thin Muck Surface (C7)	7) Shallow Aquitard (D3)							
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	arks) Microtopographic Relief (D4)							
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No _X Depth (inches):	: <u></u> _							
Water Table Present? Yes No X Depth (inches):	: <u></u>							
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No X							
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:							
Demarks								
Remarks:								

**VEGETATION** – Use scientific names of plants. Sampling Point: P20 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: Multiply by: =Total Cover Total % Cover of: Sapling/Shrub Stratum (Plot size: OBL species 1. Lonicera X bella FACU **FACW** species 5 x 2 = FAC species 10 2. x 3 = 30 101 404 3. FACU species x 4 = 4. UPL species 20 x 5 = 5. Column Totals: 136 544 Prevalence Index = B/A = 4.00 6. **Hydrophytic Vegetation Indicators:** 8 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% Herb Stratum (Plot size: ) Poa pratensis 40 Yes **FACU** 3 - Prevalence Index is ≤3.01 50 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. Yes **FACU** Solidago canadensis data in Remarks or on a separate sheet) 3. Phalaris arundinacea 5 No **FACW** 4. Equisetum arvense 10 No FAC Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. Euphorbia esula 15 No UPL <sup>1</sup>Indicators of hydric soil and wetland hydrology must 3 **FACU** be present, unless disturbed or problematic. 6. Taraxacum officinale No 5 7. Bromus inermis No UPL **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. 9. 10. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 128 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Yes \_\_ Present? No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Depth	Matrix	to the d	-	c Featur		cator or		absence	or maic	ators.,		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Textu	re		Rema	arks	
0-10	10YR 4/4	90					Loamy/C	layey	Si	iL, contains	10% grav	rel
	10YR 4/6	10										
10-20	10YR 4/6	80					Loamy/C	layey	SiL, or	ntains 20%	gravel, mi	xed fill
	10YR 5/4	20										
¹Type: C=C	oncentration, D=Dep	oletion, R	M=Reduced Matrix,	MS=Ma	asked Sa	nd Grain	s. <sup>2</sup> Lo	ocation: P	L=Pore I	Lining, M=N	∕latrix.	
Hydric Soil			5 5.		(0.0)		Inc			ematic Hyd		
Histosol	(A1) pipedon (A2)		Polyvalue Belo		ace (S8)	(LKK K,			` '	) ( <b>LRR K, L</b> dox (A16) (I		•
	stic (A3)		Thin Dark Surf	,	9) (LRR F	R. MLRA	149B) —	_		t or Peat (S		
	en Sulfide (A4)		High Chroma S						-	Surface (S		
	d Layers (A5)		Loamy Mucky			-		_		e (S9) ( <b>LRI</b>		, ,
	d Below Dark Surfac	e (A11)	Loamy Gleyed			,				Masses (F		K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)				_ Piedmor	nt Floodp	olain Soils (I	F19) ( <b>MLF</b>	RA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (	F6)			Mesic S	podic (TA	A6) ( <b>MLRA</b>	144A, 145	5, 149B)
Sandy C	Sleyed Matrix (S4)		Depleted Dark	Surface	e (F7)			Red Par	ent Mate	erial (F21)		
Sandy R	Redox (S5)		Redox Depress	sions (F	F8)			Very Sha	allow Da	rk Surface (	(F22)	
Stripped	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK, L)	)			Other (E	xplain in	Remarks)		
Dark Su	rface (S7)											
<sup>3</sup> Indicators o	f hydrophytic vegeta	tion and	wetland hydrology m	ust be	present.	unless di	sturbed or p	roblematic	C.			
	Layer (if observed):		, , , , , , , , , , , , , , , , , , ,		,							
Type:												
Depth (ii	nches):						Hydric S	Soil Preser	nt?	Yes	No_	X
Remarks:												

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P21						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
Landform (hillside, terrace, etc.): toe of slope Local							
Subregion (LRR or MLRA): LRR K Lat:	· · · · · · · · · · · · · · · · · · ·						
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: none (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation , Soil , or Hydrology significantly disturb	<del></del>						
Are Vegetation , Soil , or Hydrology naturally problema							
<del></del>							
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were ex meadow at the toe of fill slope. Wetland extended offsite to the east.	spected to be within the normal preceipitation range. Plot was in a wet						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (E							
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 (							
Sediment Deposits (B2)  Oxidized Rhizospheres of							
Drift Deposits (B3) Presence of Reduced Iro							
Algal Mat or Crust (B4) Recent Iron Reduction in	n in Tilled Soils (C6) X Geomorphic Position (D2)						
Iron Deposits (B5) Thin Muck Surface (C7)	7) Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	arks) Microtopographic Relief (D4)						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):	: <u></u>						
Water Table Present? Yes No X Depth (inches):							
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes X No						
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							
Remarks.							

**VEGETATION**– Use scientific names of plants. Sampling Point: P21 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: ) **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** (B) 4. Species Across All Strata: 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% Prevalence Index worksheet: =Total Cover Multiply by: Total % Cover of: Sapling/Shrub Stratum (Plot size: OBL species **FACW** species 95 x 2 = 190 FAC species 0 0 x3 =FACU species 0 3. x 4 = 0 UPL species 0 x 5 = Column Totals: 95 190 2.00 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: ) X 2 - Dominance Test is >50% 1. Phalaris arundinacea 95 Yes FACW X 3 - Prevalence Index is ≤3.0<sup>1</sup> 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. data in Remarks or on a separate sheet) 3. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 4. 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 95 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation No \_\_ Present? Yes X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desc Depth	ription: (Describe Matrix	to the d	-	<b>ument</b> Featur		cator or	confirm the absence	of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-6	10YR 3/2	97	10YR 5/6	3	С	М	Loamy/Clayey	Prominent redox concentrations		
6-20	10YR 4/2	75	10YR 5/8	15	С	M	Loamy/Clayey	Prominent redox concentrations		
	10YR 3/2	10								
20-24	10YR 2/1	100					Mucky Loam/Clay	Mucky SiL		
								_		
	-									
Type: C=Co	· ·	letion, R	M=Reduced Matrix, I	MS=Ma	isked Sa	nd Grain		L=Pore Lining, M=Matrix. or Problematic Hydric Soils <sup>3</sup> :		
Histosol			Polyvalue Belo	w Surfa	ace (S8)	(LRR R,		uck (A10) (LRR K, L, MLRA 149B)		
	pipedon (A2)		MLRA 149B)		(,	,	? Coast Prairie Redox (A16) (LRR K, L, R)			
Black His	stic (A3)		Thin Dark Surfa	ace (S9	) (LRR F	R, MLRA				
Hydroge	n Sulfide (A4)		High Chroma S	Sands (	S11) ( <b>LR</b>	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)			
	l Layers (A5)		Loamy Mucky I			RR K, L)	Thin Dark Surface (S9) (LRR K, L)			
	d Below Dark Surface	∋ (A11)	Loamy Gleyed		(F2)		Iron-Manganese Masses (F12) (LRR K, L, R)			
	ark Surface (A12)		X Depleted Matrix		==\			nt Floodplain Soils (F19) (MLRA 149B)		
	lucky Mineral (S1)		Redox Dark Surface (F6)  Depleted Dark Surface (F7)				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
	edox (S5)		Redox Depress				Red Parent Material (F21)  Very Shallow Dark Surface (F22)			
	Matrix (S6)			,	0)		Other (Explain in Remarks)			
	rface (S7)		Marl (F10) ( <b>LRR K, L</b> )				Опет (Ехріані ін Кетіатку)			
	, , ,		wetland hydrology m	ust be p	present,	unless d	listurbed or problemation	D		
Restrictive I	_ayer (if observed):									
Depth (ir	nches):						Hydric Soil Preser	nt? Yes X No		
Remarks:							Tiyano com rieser	165 <u>X</u> 165		
romano.										

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022							
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P22							
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E							
Landform (hillside, terrace, etc.): bottom slope Local	relief (concave, convex, none):convex Slope %: 10							
<u> </u>	Long: Datum:							
Soil Map Unit Name: Gravel Pit (Gp)	NWI classification: (WWI)							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)							
Are Vegetation , Soil <sup>X</sup> , or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes X No							
Are Vegetation , Soil , or Hydrology naturally problema								
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area							
Hydric Soil Present?  Yes No X	within a Wetland? Yes No X							
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:							
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were expected to be within the normal preceipitation range. Plot was in an old field near toe of slope at property line. Wetlands commence just north of property line.								
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) Water-Stained Leaves (B	B9) Drainage Patterns (B10)							
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)							
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)							
Water Marks (B1) Hydrogen Sulfide Odor (								
Sediment Deposits (B2) Oxidized Rhizospheres of	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)							
Drift Deposits (B3) Presence of Reduced Iro	• • • • • • • • • • • • • • • • • • • •							
Algal Mat or Crust (B4) Recent Iron Reduction ir								
Iron Deposits (B5) Thin Muck Surface (C7)								
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remar								
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No X Depth (inches):								
Water Table Present? Yes No X Depth (inches):								
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No _X							
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:							
Daniela								
Remarks:								

**VEGETATION**– Use scientific names of plants. Sampling Point: P22 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: % Cover Species? Status **Dominance Test worksheet:** 1. Populus deltoides 10 Yes FAC **Number of Dominant Species** 

2				That Are OBL, FACW, or FAC:	2	(A)
3		_		Total Number of Dominant		
4		_		Species Across All Strata:	4	(B)
5		_		Percent of Dominant Species		
6				That Are OBL, FACW, or FAC:	50.0%	(A/B)
7		_		Prevalence Index worksheet:		
_	10	=Total Cover		Total % Cover of:	Multiply by:	
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1	1 =0	
1. Cornus racemosa	5	Yes	FAC	FACW species 5 x 2	2 =10	
2		_		FAC species 15 x 3	3 = 45	
3				FACU species 83 x 4	4 = 332	
4		_		UPL species 5 x 5	5 = 25	
5.				Column Totals: 108 (A)	.) 412	(B)
6.				Prevalence Index = B/A =	3.81	
7.			<u> </u>	Hydrophytic Vegetation Indicate	ors:	
	5	=Total Cover	<del>_</del>	1 - Rapid Test for Hydrophytic	c Vegetation	
Herb Stratum (Plot size:)		-		2 - Dominance Test is >50%		
Solidago canadensis	35	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Solidago gigantea	5	No	FACW	4 - Morphological Adaptations		
3. Vicia sativa	15	No	FACU	data in Remarks or on a se	eparate sheet)	)
4. Euphorbia esula	5	No	UPL	Problematic Hydrophytic Veg	jetation <sup>1</sup> (Expl	ain)
5. Poa pratensis	25	Yes	FACU	<sup>1</sup> Indicators of hydric soil and wetla	and hydrology	must
6. Erigeron strigosus	5	No	FACU	be present, unless disturbed or pr	roblematic.	IIIust
7. Taraxacum officinale	3	No	FACU	Definitions of Vegetation Strata	1:	
8.				Tree – Woody plants 3 in. (7.6 cm	n) or more in	
9.				diameter at breast height (DBH), i		height.
10.				Sapling/shrub – Woody plants le	ee than 3 in 1	DRH
11.				and greater than or equal to 3.28		יוטט
12.				Herb – All herbaceous (non-wood	du) nlante ren	ardlace
	93	=Total Cover		of size, and woody plants less that		diuicoo
Woody Vine Stratum (Plot size:)		_		Woody vines – All woody vines g	rester than 3	າຊ ft in
1				height.		20 11 111
2.						
3.				Hydrophytic Vegetation		
4.				_	No X	
		=Total Cover				
Remarks: (Include photo numbers here or on a sepa	arate shee	<del>-</del> et.)				
· ·		,				

Profile Desc Depth	ription: (Describe Matrix	to the d	epth needed to doo	<b>ument</b> Featur		cator or	confirm the abs	ence of ind	icators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remar	rks	
0-12	10YR 4/4	80					Loamy/Clayey	<u> </u>	SiCL		
	10YR 3/2	10									
	10YR 5/3	10									
12-24	10YR 5/4	90					Loamy/Clayey		SiCL, contains	15% gravel	
	10YR 3/2	10						<u> </u>	,		
	10111 0/2										
	-										
	-										
		letion, R	M=Reduced Matrix,	MS=Ma	sked Sa	nd Grains			e Lining, M=Ma		
Hydric Soil I			Polyvaluo Polo	w Surfe	nco (S9)	/I DD D			olematic Hydr		
Histosol Histic Fp	ipedon (A2)		Polyvalue Belo MLRA 149B		ice (36)	(LKK K,	2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)				
Black His			Thin Dark Surf	) (LRR F	R, MLRA						
Hydrogei	n Sulfide (A4)		High Chroma S	S11) ( <b>LR</b>	RR K, L)	Polyvalue Below Surface (S8) (LRR K, L)					
	Layers (A5)		Loamy Mucky	(F1) ( <b>LF</b>	RR K, L)	Thin Dark Surface (S9) (LRR K, L)					
	Below Dark Surface	e (A11)	Loamy Gleyed	(F2)		Iron-Manganese Masses (F12) (LRR K, L, R)					
	rk Surface (A12)		Depleted Matri	Εο\		Piedmont Floodplain Soils (F19) (MLRA 149B)					
	ucky Mineral (S1) leyed Matrix (S4)		Redox Dark Su Depleted Dark			Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21)					
	edox (S5)		Redox Depress			Very Shallow Dark Surface (F22)					
	Matrix (S6)		Marl (F10) (LR		٠,		Other (Explain in Remarks)				
	face (S7)			, ,				` '	,		
3 In diaptors of	hudranhutia vagatat	tion and	wetland hydrology m	wat ba	nraaant	unlana di	aturbad ar proble	am ati a			
	.ayer (if observed):		wettand hydrology m	ust be	present,	uniess di	sturbed or proble	manc.			
Type:											
Depth (in	ches):						Hydric Soil P	resent?	Yes	No X	
Remarks:											

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022					
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P23					
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E					
	relief (concave, convex, none):none Slope %: 0-1					
Subregion (LRR or MLRA): LRR K Lat:						
Soil Map Unit Name: Gravel Pit (Gp)	NWI classification: none (WWI)					
•						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturb						
Are Vegetation, Soil, or Hydrology naturally problema	atic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present?  Yes No X	within a Wetland? Yes No X					
Wetland Hydrology Present?  Yes  No X	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)						
Based on the USACE APT tool, conditions at the time of sampling were ex	spected to be within the normal preceipitation range. Plot was within a					
phragmities pocket on fill material on shore of quarry pond.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) Water-Stained Leaves (E						
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 (						
	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3) Presence of Reduced Iro	• • • • • • • • • • • • • • • • • • • •					
Algal Mat or Crust (B4)Recent Iron Reduction in						
Iron Deposits (B5)  Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No X Depth (inches):						
Water Table Present? Yes No X Depth (inches):						
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes No _X					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Remarks:						
Remarks.						

**VEGETATION**– Use scientific names of plants. Sampling Point: P23 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** (B) 4. Species Across All Strata: 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% Prevalence Index worksheet: =Total Cover Multiply by: Total % Cover of: Sapling/Shrub Stratum (Plot size: OBL species **FACW** species 100 x 2 = 200 FAC species 0 0 x3 =FACU species 0 3. x 4 = 0 UPL species 0 x 5 = Column Totals: 100 200 Prevalence Index = B/A = 2.00 6. **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: ) X 2 - Dominance Test is >50% 100 \_ Yes 1. Phragmites australis FACW 3 - Prevalence Index is ≤3.01 2. 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) 3. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 4. 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 100 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desc Depth	ription: (Describe Matrix	to the de	•	<b>ument</b>		cator or	confirm the absence	e of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-12	10YR 4/4	80					Loamy/Clayey	SiCL, 10% gravel		
	10YR 5/3	20								
12-16	10YR 5/3	55					Loamy/Clayey	SiCL		
	10YR 2/1	30	10YR 4/6	5	С	M		Prominent redox concentrations		
	10YR 4/4	10								
16-24	10YR 4/1	85	10YR 5/6	5	С	М	Loamy/Clayey	Prominent redox concentrations		
	10YR 5/3	10								
	-							-		
1							2.			
'Type: C=Co	oncentration, D=Dep	letion, RN	/I=Reduced Matrix,	MS=Ma	isked Sa	nd Grains		PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :		
Histosol			Polyvalue Belo	w Surfa	ace (S8)	(LRR R,		uck (A10) (LRR K, L, MLRA 149B)		
	pipedon (A2)		MLRA 149B		` ,	` ,		Prairie Redox (A16) (LRR K, L, R)		
Black His	stic (A3)		Thin Dark Surf	ace (S9	) (LRR I	R, MLRA	149B) 5 cm M	ucky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		High Chroma S			-		ue Below Surface (S8) (LRR K, L)		
	Layers (A5)	(* 4 4)	Loamy Mucky			RR K, L)		ark Surface (S9) (LRR K, L)		
	l Below Dark Surface ark Surface (A12)	e (A11)	Loamy Gleyed		(F2)		Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B)			
	lucky Mineral (S1)		Depleted Matri Redox Dark Su		F6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
	leyed Matrix (S4)		Depleted Dark	,	,		Red Parent Material (F21)			
	edox (S5)		Redox Depress				Very Shallow Dark Surface (F22)			
	Matrix (S6)		 Marl (F10) ( <b>LR</b>		,		Other (Explain in Remarks)			
Dark Sur	face (S7)						<del></del>			
<sup>3</sup> Indicators of	hvdrophytic vegetat	tion and v	vetland hydrology m	nust he i	present	unless di	sturbed or problemati	ic.		
	_ayer (if observed):				p. 000,	u	otalizati el probleman	<u>.                                    </u>		
Type:										
Depth (in	nches):						Hydric Soil Prese	ent? Yes <u>No X</u>		
Remarks:	en									
	profile with no hydrid f sediment overlies s		cators observed.							
Thiok layer of		, O.II.O.								

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022							
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P24							
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E							
Landform (hillside, terrace, etc.): toe of slope Local								
	Long: Datum:							
Soil Map Unit Name: Adrian muck (Ad)	NWI classification: E1K (WWI)							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrology significantly disturb	<del></del>							
Are Vegetation , Soil , or Hydrology naturally problema								
SUMMARY OF FINDINGS – Attach site map showing sam								
OUMIMANT OF FINDINGS - Attach site map showing same	Thing point locations, transects, important reatures, etc.							
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area							
Hydric Soil Present? Yes X No	within a Wetland? Yes X No							
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:							
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were expected to be within the normal preceipitation range. Plot was in a wet meadow at toe of slope of fill material. Wetland extends offsite to the east.								
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) Water-Stained Leaves (E	B9) Drainage Patterns (B10)							
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)							
X 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 of	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)							
Drift Deposits (B3) Presence of Reduced Iro	Iron (C4) Stunted or Stressed Plants (D1)							
Algal Mat or Crust (B4) Recent Iron Reduction in	in Tilled Soils (C6) X Geomorphic Position (D2)							
Iron Deposits (B5) Thin Muck Surface (C7)								
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remark								
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No X Depth (inches):								
Water Table Present? Yes X No Depth (inches):								
Saturation Present? Yes X No Depth (inches):	: 12 Wetland Hydrology Present? Yes X No							
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:							
Demotion								
Remarks:								

**VEGETATION**– Use scientific names of plants. Sampling Point: P24 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% Prevalence Index worksheet: Multiply by: =Total Cover Total % Cover of: Sapling/Shrub Stratum (Plot size: OBL species **FACW** species 100 x 2 = 200 FAC species 3 x3 =9 0 3. FACU species x 4 = 0 UPL species 0 x 5 = Column Totals: 103 209 2.03 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: X 2 - Dominance Test is >50% Phalaris arundinacea 100 Yes **FACW** X 3 - Prevalence Index is ≤3.0<sup>1</sup> 4 - Morphological Adaptations<sup>1</sup> (Provide supporting Urtica dioica 2. FAC data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 103 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Depth	Matrix	to the u	-	r Featur		Cator Or	confirm the absence	; or mulcators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-11	N 2.5/	100					Mucky Loam/Clay	Mucky SiL
11-24	10YR 5/1	90	10YR 5/8	10	<u>C</u>	<u>M</u>	Loamy/Clayey	Prominent redox concentrations
		_			_			
					_			
		_			<u> </u>			
<sup>1</sup> Type: C=C <b>Hydric Soil</b>	oncentration, D=Dep	letion, R	M=Reduced Matrix,	MS=Ma	asked Sa	nd Grair		PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :
Black H Hydroge Stratified X Depleted Thick Da	(A1) pipedon (A2) stic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surfac ark Surface (A12) Mucky Mineral (S1)	e (A11)	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S X Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Su	) ace (S9 Sands (S Mineral Matrix x (F3)	9) ( <b>LRR F</b> S11) ( <b>LR</b> (F1) ( <b>LR</b> (F2)	R, MLRA R K, L)	Coast F 5 cm M Polyvali Thin Da Iron-Ma Piedmo	uck (A10) (LRR K, L, MLRA 149B) Prairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) ark Surface (S9) (LRR K, L) unganese Masses (F12) (LRR K, L, R) ant Floodplain Soils (F19) (MLRA 149B) Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy F	Gleyed Matrix (S4) Redox (S5)		Depleted Dark Redox Depress Marl (F10) (LR	sions (F	<del>-</del> 8)		Very Sh	rent Material (F21) nallow Dark Surface (F22) Explain in Remarks)
	l Matrix (S6) rface (S7)		(Mail (F10) ( <b>LK</b>	K K, L)			Other (	-хріані III Кетіакs)
	f hydrophytic vegeta Layer (if observed):		wetland hydrology m	ust be	present,	unless d	listurbed or problemati	С.
Type:		'					Hydric Soil Prese	
Remarks:	nches):						Hydric Soil Prese	ent? Yes X No
romano.								

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022						
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P25						
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E						
Landform (hillside, terrace, etc.): side slope Local							
Subregion (LRR or MLRA): LRR K Lat:	<u> </u>						
Soil Map Unit Name: Grays silt loam (GsC2)	NWI classification: E1K (WWI)						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
	<del></del>						
Are Vegetation, Soil _X _, or Hydrology significantly disturb							
Are Vegetation, Soil, or Hydrologynaturally problema							
SUMMARY OF FINDINGS – Attach site map showing sam	ppling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes No X	within a Wetland? Yes No X						
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were ex side slope fill pile with concrete block debris. As a result of this debris, then	, , ,						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (E							
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 (							
Sediment Deposits (B2) Oxidized Rhizospheres of							
Drift Deposits (B3) Presence of Reduced Iro	• • • • • • • • • • • • • • • • • • • •						
Algal Mat or Crust (B4) Recent Iron Reduction in							
Iron Deposits (B5) — Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·						
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remarl							
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No X Depth (inches):							
Water Table Present? Yes No X Depth (inches):							
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No _X						
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							
Relians.							

**VEGETATION**- Use scientific names of plants.

Sampling Point: P25

<u>Tree Stratum</u> (Plot size:	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Acer negundo	20	Yes	FAC	Number of Dominant Species			
2				That Are OBL, FACW, or FAC: (A)			
3.       4.				Total Number of Dominant Species Across All Strata:6(B)			
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)			
6		· ——		Prevalence Index worksheet:			
··	20	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: )				OBL species 0 x 1 = 0			
1. Acer negundo	5	Yes	FAC	FACW species 25 x 2 = 50			
2.		·		FAC species 25 x 3 = 75			
3.		·		FACU species 34 x 4 = 136			
4.		·		UPL species 8 x 5 = 40			
5.				Column Totals: 92 (A) 301 (B)			
6.				Prevalence Index = B/A = 3.27			
7.		·		Hydrophytic Vegetation Indicators:			
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: )		-		X 2 - Dominance Test is >50%			
1. Phalaris arundinacea	10	Yes	FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Arctium minus	10	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting			
3. Solidago gigantea	15	Yes	FACW	data in Remarks or on a separate sheet)			
Solidago canadensis	15	Yes	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Taraxacum officinale	2	No	FACU				
6. Galium aparine	3	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7. Glechoma hederacea	2	No	FACU	Definitions of Vegetation Strata:			
8. Ribes cynosbati	2	No	FACU				
9. Daucus carota	5	No	UPL	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10. Euphorbia esula	3	No	UPL				
11.		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12.				Harb All harbassaus (non woods) plants regardless			
	67	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2		· <del></del>		Hydrophytic			
3				Vegetation			
4				Present?			
	-	=Total Cover					
Remarks: (Include photo numbers here or on a sep	arate sheet	t.)					

	-	to the dep				cator or	confirm the absence	of indicators.)	
Depth (inches)	Matrix	%		Featur		Loc <sup>2</sup>	Touture	Domorlo	_
(inches)	Color (moist)	70	Color (moist)	<u>%</u>	Type <sup>1</sup>	LOC	Texture	Remark	<u> </u>
									_
									_
<sup>1</sup> Type: C=Co	ncentration, D=Depl	etion. RM	=Reduced Matrix. I	MS=Ma	sked Sa	nd Grains	s. <sup>2</sup> Location: P	L=Pore Lining, M=Mat	ix.
Hydric Soil II								or Problematic Hydric	_
Histosol (			Polyvalue Belo	w Surfa	ce (S8)	(LRR R.		uck (A10) (LRR K, L, M	
	pedon (A2)	_	MLRA 149B)		()	(=:::,		rairie Redox (A16) ( <b>LR</b>	•
Black His			Thin Dark Surfa		) (LRR F	R. MLRA		ucky Peat or Peat (S3)	•
	Sulfide (A4)	-	High Chroma S					ie Below Surface (S8) (	
	Layers (A5)	_	Loamy Mucky I					rk Surface (S9) (LRR K	· · · · · · · · · · · · · · · · · · ·
	Below Dark Surface	- e (A11)	Loamy Gleyed			, -,		nganese Masses (F12)	
	rk Surface (A12)		Depleted Matrix		(/			nt Floodplain Soils (F19	
	ucky Mineral (S1)	_	Redox Dark Su	, ,	<del>-</del> 6)			podic (TA6) (MLRA 14	
	eyed Matrix (S4)	_	Depleted Dark					ent Material (F21)	,,,
Sandy Re		_	Redox Depress					allow Dark Surface (F2	2)
	Matrix (S6)	_	Marl (F10) (LR	•	•			xplain in Remarks)	_,
Dark Sur		_		, _,				, , , , , , , , , , , , , , , , , , , ,	
	()								
<sup>3</sup> Indicators of	hydrophytic yegetat	ion and w	etland hydrology m	ust be i	oresent.	unless di	sturbed or problemation	<b>3</b> .	
	ayer (if observed):							·	
Type:	Concrete	debris							
·· -		0.25					Hydric Soil Prese	nt? Yes	No. Y
Depth (in	cries).	0.23					nyunc son Fresei	nt: 165	No X
Remarks:	harte dans to the own				al a tha a sa	La la sel a conda	Sala ara ada ara ara Bara da	9 (	
No soil to eva	luate due to the pre	sence or v	arious concrete bio	ocks an	a otner c	aedris wn	ich made sampling the	e soii impossible.	

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022							
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P26							
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E							
Landform (hillside, terrace, etc.): terrace Local	relief (concave, convex, none):none Slope %: 0-1							
Subregion (LRR or MLRA): LRR K Lat:								
Soil Map Unit Name: Gravel Pit (Gp)	NWI classification: none (WWI)							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)							
Are Vegetation , Soil , or Hydrology significantly disturb	<del></del>							
Are Vegetation , Soil , or Hydrology naturally problema								
SUMMARY OF FINDINGS – Attach site map showing sam								
SUMMANT OF FINDINGS - Attach site map showing sam	T							
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area							
Hydric Soil Present? Yes X No	within a Wetland? Yes X No No							
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:							
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were expected to be within the normal preceipitation range. Plot was located in a wet meadow along a lower terrace of quarry pond shore.								
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) Water-Stained Leaves (I								
High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)							
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)							
Water Marks (B1) Hydrogen Sulfide Odor (								
Sediment Deposits (B2)  Oxidized Rhizospheres of								
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)							
Algal Mat or Crust (B4) Recent Iron Reduction in	in Tilled Soils (C6) X Geomorphic Position (D2)							
Iron Deposits (B5) Thin Muck Surface (C7)	7) Shallow Aquitard (D3)							
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar								
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No X Depth (inches):	s <u> </u>							
Water Table Present? Yes X No Depth (inches):	: <u>18</u>							
Saturation Present? Yes X No Depth (inches):	12 Wetland Hydrology Present? Yes X No							
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:							
Develop								
Remarks:								

**VEGETATION**– Use scientific names of plants. Sampling Point: P26 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** (B) 4. Species Across All Strata: 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: OBL species 1. Salix interior **FACW FACW** species 65 x 2 = 130 FAC species 10 2. x3 =30 13 3. FACU species x 4 = 52 4. UPL species 0 x 5 = 0 5. Column Totals: 108 232 2.15 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 15 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: ) X 2 - Dominance Test is >50% Carex pellita 20 Yes OBL X 3 - Prevalence Index is ≤3.0<sup>1</sup> 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 50 2. Phalaris arundinacea Yes **FACW** data in Remarks or on a separate sheet) FAC 3. Equisetum arvense 10 No 4. Erigeron strigosus No **FACU** Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 10 \_ \_ 5. Poa pratensis No FACU <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 93 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Depth	Matrix		-	· Featur		cator or	committe absenc	o or malcators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-8	10YR 4/2	80	10YR 5/6	10			Loamy/Clayey	SiCL, contains 5% gravel	
	10YR 3/2	10							
8-12	10YR 3/2	95	10YR 5/6	5	С	М	Loamy/Clayey	Prominent redox concentrations	
12-24	10YR 5/3	65	10YR 5/2	20	D	М	Loamy/Clayey		
			10YR 5/8	15		M		Prominent redox concentrations	
¹Type: C=Co	oncentration, D=Dep	letion, R	M=Reduced Matrix,	MS=Mɛ	asked Sa	nd Grain	s. <sup>2</sup> Location:	PL=Pore Lining, M=Matrix.	
Hydric Soil			5 5.					for Problematic Hydric Soils <sup>3</sup> :	
Histosol	(A1) pipedon (A2)		Polyvalue Belo		ace (S8)	(LKK K,	2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)		
	stic (A3)		Thin Dark Surface (S9) (LRR R, MLRA						
	n Sulfide (A4)		High Chroma Sands (S11) (LRR K, L)				Polyvalue Below Surface (S8) (LRR K, L)		
Stratified	d Layers (A5)		Loamy Mucky Mineral (F1) (LRR K, L)				Thin Dark Surface (S9) (LRR K, L)		
Depleted Below Dark Surface (A11)			Loamy Gleyed Matrix (F2)				Iron-Manganese Masses (F12) (LRR K, L, R)		
Thick Dark Surface (A12)			X Depleted Matrix (F3)				Piedmont Floodplain Soils (F19) (MLRA 149B)		
Sandy Mucky Mineral (S1)			Redox Dark Surface (F6)				Mesic Spodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )		
Sandy Gleyed Matrix (S4)			Depleted Dark Surface (F7)				Red Parent Material (F21)		
Sandy Redox (S5)			Redox Depressions (F8)				Very Shallow Dark Surface (F22)		
Stripped Matrix (S6)			Marl (F10) ( <b>LRR K, L</b> )				Other (Explain in Remarks)		
Dark Su	rface (S7)								
<sup>3</sup> Indicators o	f hydrophytic vegeta	tion and	wetland hydrology m	ust be	present,	unless di	isturbed or problemat	ic.	
	Layer (if observed):		, G				·		
Type:									
Depth (ir	nches):						Hydric Soil Prese	ent? Yes X No No	
Remarks:									

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P27
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E
Landform (hillside, terrace, etc.): slight hillside Local i	relief (concave, convex, none): convex Slope %: 2-3
Subregion (LRR or MLRA): LRR K Lat:	Long: Datum:
Soil Map Unit Name: Gravel pit (Gp)	NWI classification: none (WWI)
·	<del></del>
Are climatic / hydrologic conditions on the site typical for this time of year?  Are Vegetation, Soil _x, or Hydrology significantly disturb	Yes X No (If no, explain in Remarks.) bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
Lludraphytia Vagatatian Dracent2 Vag. No. V	In the Complet Area
Hydrophytic Vegetation Present?  Hydric Soil Present?  Yes  No X  No X	Is the Sampled Area within a Wetland?  Yes No _ X
Wetland Hydrology Present?  Yes  No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were explain an upland filled area.	pected to be within the normal preceipitation range. Plot was located
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (E	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 of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	n Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
Tolland.	

**VEGETATION** – Use scientific names of plants. Sampling Point: P27 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: Multiply by: =Total Cover Total % Cover of: Sapling/Shrub Stratum (Plot size: OBL species 1. Salix interior **FACW FACW** species 13 x 2 = FAC species 0 0 2. x3 =92 3. FACU species x 4 = 368 4. UPL species 0 x 5 = 5. Column Totals: 105 394 Prevalence Index = B/A = 3.75 6. **Hydrophytic Vegetation Indicators:** 3 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% Herb Stratum (Plot size: Phalaris arundinacea 10 No **FACW** 3 - Prevalence Index is ≤3.01 50 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. Yes **FACU** Poa pratensis data in Remarks or on a separate sheet) 3. Lotus corniculatus 15 Yes **FACU** 5 4. Taraxacum officinale No **FACU** Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. Trifolium hybridum No **FACU** <sup>1</sup>Indicators of hydric soil and wetland hydrology must 2 **FACU** be present, unless disturbed or problematic. 6. Monarda fistulosa No 7. Dactylis glomerata 10 No **FACU Definitions of Vegetation Strata:** 5 Solidago canadensis **FACU** Tree - Woody plants 3 in. (7.6 cm) or more in 9. diameter at breast height (DBH), regardless of height. 10. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 102 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Yes \_\_ Present? No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desc Depth	cription: (Describe Matrix	to the d	-	<b>ument</b> Featur		cator or	confirm the absence	e of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-24	10YR 4/4	75					Loamy/Clayey	SiL, 30% gravel, mixed profile		
	10YR 4/3							, д р		
		20								
	10YR 3/2	5								
¹Type: C=Co	oncentration, D=Dep	letion, R	M=Reduced Matrix,	MS=Ma	sked Sa	nd Grains	s. <sup>2</sup> Location: F	PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators:						Indicators f	or Problematic Hydric Soils <sup>3</sup> :		
Histosol (A1)			Polyvalue Below Surface (S8) (LRR R,				2 cm Muck (A10) (LRR K, L, MLRA 149B)			
Histic Epipedon (A2)			MLRA 149B)				Coast Prairie Redox (A16) (LRR K, L, R)			
Black Hi			Thin Dark Surface (S9) (LRR R, MLRA							
	n Sulfide (A4)		High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L)				Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)			
Stratified Layers (A5) Depleted Below Dark Surface (A11)			Loamy Gleyed Matrix (F2)				Iron-Manganese Masses (F12) (LRR K, L, R)			
	ark Surface (A12)	( )	Depleted Matri		(- –)			nt Floodplain Soils (F19) ( <b>MLRA 149E</b>		
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (l	<del>-</del> 6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B)		
Sandy Gleyed Matrix (S4)			Depleted Dark				Red Parent Material (F21)			
	ledox (S5)		Redox Depress		8)			allow Dark Surface (F22)		
Stripped Matrix (S6)  Dark Surface (S7)			Marl (F10) ( <b>LRR K, L</b> )				Other (Explain in Remarks)			
Dark Su	mace (57)									
<sup>3</sup> Indicators of	f hydrophytic vegeta	tion and	wetland hydrology m	ust be	oresent.	unless di	sturbed or problemation	c.		
	Layer (if observed):		, , , , , , , , , , , , , , , , , , , ,		,		, , , , , , , , , , , , , , , , , , , ,	-		
Type:										
Depth (ir	nches):						Hydric Soil Prese	nt? Yes No X		
Remarks:										

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022				
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P28				
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E				
Landform (hillside, terrace, etc.): depression Local					
	Long: Datum:				
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation , Soil X , or Hydrology significantly disturb					
Are Vegetation , Soil , or Hydrology naturally problema	<del></del>				
<del></del>					
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area				
Hydric Soil Present? Yes X No	within a Wetland? Yes X No				
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.)  Based on the USACE APT tool, conditions at the time of sampling were ex meadow depression within fill.	φected to be within the normal preceipitation range. Plot was in a wet				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves (B					
X High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)				
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor (					
Sediment Deposits (B2)  Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)  Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4) Recent Iron Reduction ir	n Tilled Soils (C6) X Geomorphic Position (D2)				
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	rks) Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No X Depth (inches):					
Water Table Present? Yes X No Depth (inches):					
Saturation Present? Yes X No Depth (inches):	: 8 Wetland Hydrology Present? Yes X No				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:				
Remarks:					
remains.					

 VEGETATION – Use scientific names of plants.
 Sampling Point:
 P28

<u>Tree Stratum</u> (Plot size:	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Salix amygdaloides	15	Yes	FACW	
Ulmus pumila	5	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
3.				
4.				Total Number of Dominant Species Across All Strata: 4 (B)
·				``,
6				Percent of Dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: )				OBL species 0 x 1 = 0
1. Salix interior	15	Yes	FACW	FACW species 125 x 2 = 250
2.				FAC species 3 x 3 = 9
3.				FACU species 11 x 4 = 44
4.				UPL species 0 x 5 = 0
5.				Column Totals: 139 (A) 303 (B)
6.				Prevalence Index = B/A = 2.18
7.				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: )				X 2 - Dominance Test is >50%
Phragmites australis	85	Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
Phalaris arundinacea	10	No	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Arctium minus	3	No	FACU	data in Remarks or on a separate sheet)
4. Galium aparine	3	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Urtica dioica	3	No	FAC	
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				-
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Carliant hank Westerlands less than 0 in DDU
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	104	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: )				
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				-
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sep	arate sheet	.)		
·		•		

**SOIL** Sampling Point P28

Depth	Matrix		Redox	k Featui	res		_	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 5/3	88	10YR 5/2	10	D	M	Loamy/Clayey	SiL
			10YR 5/6	12	<u>C</u>	M		Distinct redox concentrations
6-24	10YR 5/2	20					Loamy/Clayey	SiL
	10YR 5/3	68	10YR 5/6	12	С	М		Distinct redox concentrations
	·							
<sup>1</sup> Type: C=C	oncentration, D=Dep	oletion. R	M=Reduced Matrix	MS=Ma	sked Sa	nd Grain	s. <sup>2</sup> Location: I	PL=Pore Lining, M=Matrix.
Hydric Soil		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, toddood maan,					for Problematic Hydric Soils <sup>3</sup> :
Histosol	` '		Polyvalue Belo		ace (S8)	(LRR R,		uck (A10) ( <b>LRR K, L, MLRA 149B</b> )
	pipedon (A2)		MLRA 149B	•				Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surf					ucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S			-		ue Below Surface (S8) (LRR K, L)
	d Layers (A5) d Below Dark Surfac	- (Δ11)	Loamy Mucky Loamy Gleyed			KKK,L)		ark Surface (S9) (LRR K, L) unganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	e (ATT)	X Depleted Matri		(1-2)			ont Floodplain Soils (F19) (MLRA 149B)
	Mucky Mineral (S1)		Redox Dark Su	, ,	F6)			Spodic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark					rent Material (F21)
	Redox (S5)		Redox Depres					nallow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>					Explain in Remarks)
	rface (S7)						<del></del> `	
3Indicators o	f bydrophytia yagata	tion and	watland hydrology m	ust bo	procent	unlogo d	isturbed or problemati	
	Layer (if observed):		wettand flydrology fr	iusi be	ргезепі,	uriiess u	isturbed of problemati	С.
Type:	,							
Depth (i	nches):						Hydric Soil Prese	ent? Yes X No
Remarks:								

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Voit Farm Property	City/County: T Blooming Grove & C Madison/Dane Co. Sampling Date: 5/12/2022				
Applicant/Owner: Starkweather LLC.	State: WI Sampling Point: P29				
Investigator(s): Jeff Kraemer and Keith Phelps, Heartland Ecological	Section, Township, Range: S04 & 05, T7N, R10E				
Landform (hillside, terrace, etc.): gentle slope Local					
Subregion (LRR or MLRA): LRR K Lat:					
Soil Map Unit Name: Colwood silt loam (Co)	NWI classification: E1K (WWI)				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil _X, or Hydrology significantly disturb	<del></del>				
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area				
Hydric Soil Present?  Yes No X	within a Wetland? Yes No X				
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.) Based on the USACE APT tool, conditions at the time of sampling were ex gravel and fill site.	spected to be within the normal preceipitation range. Plot was in an upland				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves (E	B9) Drainage Patterns (B10)				
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor (	(C1) Crayfish Burrows (C8)				
Sediment Deposits (B2) Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4) Recent Iron Reduction ir					
Iron Deposits (B5) — Thin Muck Surface (C7)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No X Depth (inches):					
Water Table Present? Yes No X Depth (inches):					
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes No _X				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:				
Remarks:					
Remarks.					

**VEGETATION** – Use scientific names of plants. Sampling Point: P29 Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: **Dominance Test worksheet:** % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index worksheet: Multiply by: =Total Cover Total % Cover of: Sapling/Shrub Stratum (Plot size: OBL species 12 \_\_\_\_ 1. Salix interior **FACW FACW** species 14 x 2 = FAC species 15 2. x3 =45 5 x 4 = 3. FACU species 20 4. UPL species 6 x 5 = 5. Column Totals: 40 123 3.08 6. Prevalence Index = B/A =**Hydrophytic Vegetation Indicators:** 12 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% Herb Stratum (Plot size: ) Equisetum arvense 15 Yes FAC 3 - Prevalence Index is ≤3.01 3 \_ UPL 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. No Trifolium arvense data in Remarks or on a separate sheet) UPL 3. Daucus carota 3 No 5 4. Solidago canadensis No **FACU** Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. Phragmites australis No **FACW** <sup>1</sup>Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 28 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point P29

	-	to the de	-			cator or	confirm the absence	e of indicators.)	
Depth	Matrix	0/		x Featur		12	Testine	Demonto	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	—
0-20	10YR 4/6	95					Loamy/Clayey	L, contains 50% gravel	
	10YR 3/2	5							
									_
									—
								-	—
									_
1- 0.0							21		—
	ncentration, D=Dep	letion, Ri	M=Reduced Matrix,	MS=Ma	isked Sa	nd Grain:		PL=Pore Lining, M=Matrix.	
Hydric Soil I Histosol			Polyvalue Belo	ow Surfa	200 (59)	/I DD D		for Problematic Hydric Soils <sup>3</sup> : luck (A10) (LRR K, L, MLRA 149B)	
	ipedon (A2)		MLRA 149B		ice (36)	(LKK K,		Prairie Redox (A16) (LRR K, L, R)	
Black His			Thin Dark Sur	,	) (I RR F	R. MIRA		ucky Peat or Peat (S3) (LRR K, L, R	5)
	n Sulfide (A4)		High Chroma					ue Below Surface (S8) (LRR K, L)	.,
	Layers (A5)		Loamy Mucky			-		ark Surface (S9) (LRR K, L)	
	Below Dark Surface	e (A11)	Loamy Gleyed			, _,		anganese Masses (F12) ( <b>LRR K, L, F</b>	₹)
	rk Surface (A12)	,	Depleted Matr		,			ont Floodplain Soils (F19) (MLRA 149	
	ucky Mineral (S1)		Redox Dark S		F6)			Spodic (TA6) ( <b>MLRA 144A, 145, 149</b>	
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pa	rent Material (F21)	
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very SI	nallow Dark Surface (F22)	
Stripped	Matrix (S6)		Marl (F10) ( <b>LF</b>	RR K, L)			Other (	Explain in Remarks)	
Dark Sur	face (S7)								
2									
			wetland hydrology n	nust be	present,	unless di	sturbed or problemat	ic.	
	.ayer (if observed):								
Type:									
Depth (in	iches):						Hydric Soil Prese	ent? Yes No X	
Remarks:									
Densely com	pacted gravel obser	ved in so	il profile						

#### ASSURED WETLAND DELINEATION REPORT



Starkweather, LLC. Voit Farm Property Project #: 20220700 August 3, 2022

# Appendix D | Site Photographs

Solutions for people, projects, and ecological resources.



Photo #1 Sample point P1



Photo #3 Sample point P1



Photo #5 Sample point P2



Photo #2 Sample point P1



Photo #4 Sample point P1



Photo #6 Sample point P2



Photo #7 Sample point P2



Photo #9 Sample point P3



Photo #11 Sample point P3



Photo #8 Sample point P2



Photo #10 Sample point P3



Photo #12 Sample point P3



Photo #13 Sample point P4



Photo #15 Sample point P4



Photo #17 Sample point P5



Photo #14 Sample point P4



Photo #16 Sample point P4



Photo #18 Sample point P5



Photo #19 Sample point P5



Photo #21 Sample point P6



Photo #23 Sample point P6



Photo #20 Sample point P5



Photo #22 Sample point P6



Photo #24 Sample point P6



Photo #25 Sample point P7



Photo #27 Sample point P7



Photo #29 Sample point P8



Photo #26 Sample point P7



Photo #28 Sample point P7



Photo #30 Sample point P8



Photo #31 Sample point P8



Photo #33 Photo of ditch adjacent to P8 (1 of 3)



Photo #35 Photo of ditch adjacent to P8 (3 of 3)



Photo #32 Sample point P8



Photo #34 Photo of ditch adjacent to P8 (2 of 3)



Photo #36 Sample point P9



Photo #37 Sample point P9



Photo #39 Sample point P9



Photo #41 Sample point P10



Photo #38 Sample point P9



Photo #40 Sample point P10



Photo #42 Sample point P10



Photo #43 Sample point P10



Photo #45 Sample point P11



Photo #47 Sample point P11



Photo #44 Sample point P11



Photo #46 Sample point P11



Photo #48 Sample point P11



Photo #49 Wetland Boundary near P11



Photo #51 Sample point P12



Photo #53 Sample point P12



Photo #50 Sample point P12



Photo #52 Sample point P12



Photo #54 Sample point P13



Photo #55 Sample point P13



Photo #57 Sample point P13



Photo #59 Sample point P14



Photo #56 Sample point P13



Photo #58 Sample point P14



Photo #60 Sample point P14



Photo #61 Sample point P14



Photo #63 Sample point P15



Photo #65 Sample point P15



Photo #62 Sample point P15



Photo #64 Sample point P15



Photo #66 Photo of quarry lake from NW corner (1 of 3)



Photo #67 Photo of quarry lake from NW corner (2 of 3)



Photo #69 Sample point P16



Photo #71 Sample point P16



Photo #68 Photo of quarry lake from NW corner (3 of 3)



Photo #70 Sample point P16



Photo #72 Sample point P16



Photo #73 Sample point P17



Photo #75 Sample point P17



Photo #77 Sample point P18



Photo #74 Sample point P17



Photo #76 Sample point P17



Photo #78 Sample point P18



Photo #79 Sample point P18



Photo #81 Sample point P19



Photo #83 Sample point P19



Photo #80 Sample point P18



Photo #82 Sample point P19



Photo #84 Sample point P19



Photo #85 Sample point P20



Photo #87 Sample point P20



Photo #89 Sample point P21



Photo #86 Sample point P20



Photo #88 Sample point P20



Photo #90 Sample point P21



Photo #91 Sample point P21



Photo #93 Sample point P22



Photo #95 Sample point P22



Photo #92 Sample point P21



Photo #94 Sample point P22



Photo #96 Sample point P22



Photo #97 Sample point P23

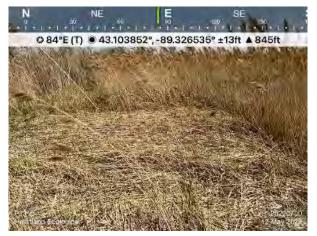


Photo #99 Sample point P23



Photo #101 Sample point P24



Photo #98 Sample point P23



Photo #100 Sample point P23



Photo #102 Sample point P24



Photo #103 Sample point P24



Photo #105 Sample point P25



Photo #107 Sample point P25



Photo #104 Sample point P24



Photo #106 Sample point P25



Photo #108 Sample point P25

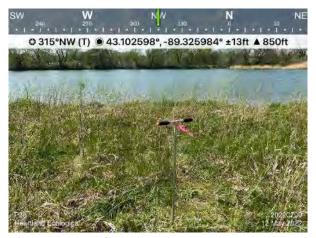


Photo #109 Sample point P26



Photo #111 Sample point P26



Photo #113 Sample point P27



Photo #110 Sample point P26



Photo #112 Sample point P26



Photo #114 Sample point P27



Photo #115 Sample point P27



Photo #117 Sample point P28



Photo #119 Sample point P28



Photo #116 Sample point P28



Photo #118 Sample point P28



Photo #120 Sample point P29



Photo #121 Sample point P29



Photo #123 Sample point P29



Photo #125 Quarry pond from the south (2 of 4)



Photo #122 Sample point P29



Photo #124 Quarry pond from the south (1 of 4)



Photo #126 Quarry pond from the south (3 of 4)



Photo #127 Quarry pond from the south (4 of 4)



Photo #129 Photo of agricultural field from the southwest (2 of 4)



Photo of agricultural field from the southwest (4 of 4)



Photo #128 Photo of agricultural field from the southwest (1 of 4)



Photo #130 Photo of agricultural field from the southwest (3 of 4)

#### ASSURED WETLAND DELINEATION REPORT



Starkweather, LLC. Voit Farm Property Project #: 20220700 August 3, 2022

# Appendix E | Delineator Qualifications

Solutions for people, projects, and ecological resources.



Jeff Kraemer
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Jeff is the founder of Heartland Ecological Group, Inc. With over 18 years of experience as an environmental consultant, ecological and regulatory policy practitioner, and managing business leader, Jeff provides proven value to clients with his vast experience guiding often complex projects through environmental regulatory and technical challenges applied throughout a diversity of industry sectors. Jeff is recognized by the Wisconsin Department of Natural Resources Wetland Delineation Assurance Program and is the longest standing assured wetland delineator in the state of Wisconsin.

Jeff is a recognized expert in the field of wetland ecology and delineation; wetland restoration and mitigation banking; and regulatory policy and permitting associated with wetlands and waterways. His experience includes: Wetland Determination, Delineation & Functional Assessment; Wetland Restoration, Mitigation, Banking & Monitoring; Botanical / Biological Surveys & Natural Resource Inventories; Rare Species Surveys, Conservation Plans & Monitoring; Habitat Restoration, Wildlife Surveys, SCAT surveys, Environmental Assessments; Local, state, federal permit applications; Expert Witness testimony; and Regulatory permit compliance.

#### Education

MS, Biological Sciences (Emphasis in Wetland Ecology), University of Wisconsin – Milwaukee, WI, 2003

BS, Biological Sciences (Emphasis in Aquatic Biology) University of Wisconsin – La Crosse, WI, 1999

Regional Supplement Field Practicum Wetland Training Institute (WTI) Portage, WI, 2017

Basic and Advanced Wetland Delineation Training, Continuing Education and Extension, UW-La Crosse, WI, 2001

Identification of Sedges Workshop, UW-Milwaukee, Saukville, WI, 2001

Vegetation of Wisconsin Workshop, UW-Milwaukee, Saukville, WI 2000

Environmental Corridor Delineation Workshop, Southeastern Wisconsin Regional Planning Commission (SEWRPC), 2004 Wetland Soils and Hydrology Workshop, Wetland Training Institute, Toledo, OH, 2003

Critical Methods in Wetland Delineation University of Wisconsin - La Crosse Continuing Education and Extension Madison, WI, 2006 - 2018

Federal Wetland Regulatory Policy Course Wetlands Training Institute (WTI) Cottage Grove, WI, 2010

## Registrations

Professionally Assured Wetland Delineator, Wisconsin Department of Natural Resources (2005-Present)

Wetland Professional in Training (WPIT), Society of Wetland Scientists Certification Programs



Starkweather, LLC. Voit Farm Property Project #: 20220700 August 3, 2022

# Appendix F | Off-Site Analysis

Solutions for people, projects, and ecological resources.



#### **TABLE A1**

### Wetland Hydrology from Aerial Imagery - Recording Form\*

Project Name:	Voit Farm Property	Date:	8/2/2022	County: Dane
Investigator:	Keith Phelps	Legal Desc	ription (T, R, S): <b>T7N, R10E,</b>	S04 & 05

#### **Summary Table**

				Ir	mage Interpretation	(s)	
Date Image	Image Source	Climate Condition	Se	e Offsite Analysis Re	eference Image figur	e for outlines of Are	ea 1
Taken (M-Y)		(wet, dry, normal)	Area: 1	Area: 2	Area 3	Area 4	Area 5
Jul-92	FSA Slide	Dry	NSS/NV				
Jul-93	FSA Slide	Wet	NSS/NV				
Jul-94	FSA Slide	Dry	NSS/NV				
Sep-95	FSA Slide	Normal	NSS/NV				
Jul-97	FSA Slide	Dry	NSS/NV				
Jul-98	FSA Slide	Wet	NSS/NV				
Jul-99	FSA Slide	Normal	NSS/NV				
Jul-00	FSA Slide	Wet	NSS/NV				
Jul-01	FSA Slide	Normal	NSS/NV				
Jul-02	FSA Slide	Normal	NSS/NV				
Jul-03	FSA Slide	Dry	NSS/NV				
Jun-04	NAIP	Normal	NSS/NV				
Jun-05	NAIP	Normal	АР				
Jul-06	NAIP	Normal	АР				
Jul-08	NAIP	Normal	NSS/NV				
Jul-10	NAIP	Wet	NSS/NV				
Jun-13	NAIP	Wet	NSS/NV				
Oct-15	NAIP	Wet	NSS/NV				
Sep-17	NAIP	Wet	АР				
Oct-18	NAIP	Wet	NSS/NV				
Aug-20	NAIP	Wet	DO				
	Normal Climate Cond	dition	Area: 1	Area: 2	Area 3	Area 4	Area 5
		Number	8				
	Numbe	er with wet signatures	2				
	Percer	nt with wet signatures	25%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Key					
WS - Wetland Signature		SS - Soil Wetness Signature	CS - Crop Stress		
NC - Not Cropped		AP - Altered Pattern	NV - Normal Vegetative Cover		
DO - Drowned Out		SW - Standing Water	NSS - No Soil Wetness Signature		
Other labels or comments:					

<sup>•</sup> Use above key to label image interpretations. It is imperative that the reviewer read and understand the guidance associated with the use of these labels. If alternate If alternate labels are used, indicate in box above.

<sup>•</sup> If less than five (5) images taken during normal climate conditions are available, use an equal number of images taken during wet and dry climate conditions and use as many images as you have available. Describe the results using this methodology in your report.







#### Wetland Determination from Aerial Imagery - Recording Form\*

Project Name:	Voit Farm Property	Date:	8/2/2022	County:	Dane
Investigator:	Keith Phelps	L	egal Description (T,	R, S): R10E, S04 & 05	

#### Use the decision matrix below to create Table A2

Hydric Soils Present? <sup>1</sup>	Identified on NWI or WWI? <sup>2</sup>	Percent with Wet Signatures from TABLE A1	Field Verification Required? <sup>3</sup>	Wetland?
Yes	Yes	>50%	No	Yes
Yes	Yes	30-50%	No	Yes
Yes	Yes	<30%	Yes	Yes, if other hydrology indicators are present
Yes	No	>50%	No	Yes
Yes	No	30-50%	Yes	Yes, if other hydrology indicators are present
Yes	No	<30%	No	No
No	Yes	>50%	No	Yes
No	Yes	30-50%	No	Yes
No	Yes	<30%	No	No
No	No	>50%	Yes	Yes, if other hydrology indicators are present
No	No	30-50%	Yes	Yes, if other hydrology indicators are present
No	No	<30%	No	No

<sup>&</sup>lt;sup>1</sup>The presence of hydric soils can be determined from the "Hydric Rating by Map Unit Feature" under "Land Classifications" from the Web Soil Survey. "Not Hydric" is the only category considered to not have hydric soils. Field sampling for the presence/absence of hydric soil indicators can be used in lieu of the hydric rating if appropriately documented by providing completed field data sheets.

#### **TABLE A2**

Area	Hydric Soils Present? <sup>1</sup>	Identified on NWI or WWI?	Percent with Wet Signatures from TABLE A1	Other Hydrology Indicators Present? <sup>1</sup>	Wetland?
1	NO	NO	25%	NO	NO

<sup>&</sup>lt;sup>1</sup> Answer "N/A" if field verification is not required and was not conducted.





<sup>&</sup>lt;sup>2</sup> At minimum, the most updated NWI data available for the area must be reviewed for this step. Any and all other local or regional wetland maps that are publically available should be reviewed.

<sup>&</sup>lt;sup>3</sup> Area should be reviewed in the field for the presence/absence of wetland hydrology indicators per the applicable 87 Manual Regional Supplement, including the D2 indicator (geomorphic position).

# **June Aerial Imagery**

## Off-Site Aerial Imagery Analysis

	Monthly Rainfall in Inches <sup>1</sup>							
Date	March	Weighted Precip	April	Weighted Precip	May	Weighted Precip	Weighted Sum	Relative Wetness
June-04	3.61	3	1.76	2	10.84	9	14	Normal
June-05	1.56	2	1.68	2	3.96	6	10	Normal
June-13	2.41	2	5.83	6	6.57	9	17	Wet
30% chance less than**	1.31		2.84		2.71			
30 Year Average**	2.23		3.70		4.04			
30% chance more than**	2.71		4.30		4.83			

Dane County Regional Airport Weather Station 30-Year Precipitation Data (1992-2021) from NOAA Website <a href="http://agacis.rcc-acis.org/">http://agacis.rcc-acis.org/</a>

# **July Aerial Imagery**

Off-Site Aerial Imagery Analysis

On-Site Aeriai illiagery	unary or o							
	Monthly Rainfall in Inches <sup>1</sup>							
Date	April	Weighted	May	Weighted	June	Weighted	Weighted	Relative
Date	Aprili	Precip	Iviay	Precip	Julie	Precip	Sum	Wetness
July-92	3.17	2	1.12	2	1.53	3	7	Dry
July-93	5.33	3	3.81	4	6.67	9	16	Wet
July-94	2.57	1	1.33	2	5.66	6	9	Dry
July-97	2.50	1	1.94	2	5.23	6	9	Dry
July-98	4.10	2	4.58	4	7.46	9	15	Wet
July-99	6.91	3	3.72	4	5.57	6	13	Normal
July-00	3.18	2	9.63	6	8.63	9	17	Wet
July-01	3.07	2	4.16	4	5.40	6	12	Normal
July-02	3.45	2	2.92	4	3.70	6	12	Normal
July-03	2.95	2	3.67	4	2.10	3	9	Dry
July-06	5.04	3	4.61	4	2.29	3	10	Normal
July-08	6.43	3	2.55	2	10.93	9	14	Normal
July-10	3.65	2	3.79	4	8.38	9	15	Wet
July-18	2.14	1	9.78	6	5.67	6	13	Normal
30% chance less than**	2.84		2.71		3.24			
30 Year Average**	3.70		4.04		5.25			
30% chance more than**	4.30		4.83		6.35			

Dane County Regional Airport Weather Station 30-Year Precipitation Data (1992-2021) from NOAA Website <a href="http://agacis.rcc-acis.org/">http://agacis.rcc-acis.org/</a>

### **August Aerial Imagery**

Off-Site Aerial Imagery Analysis

on one none magery relations									
	Monthly Rainfall in Inches 1								
Date	May	Weighted Precip	June	Weighted Precip	July	Weighted Precip	Weighted Sum	Relative Wetness	
July-92		1		2		3	6	Dry	
August-20	5.42	3	5.07	4	7.59	9	16	Wet	
30% chance less than**	2.71		3.24		3.18				
30 Year Average**	4.04		5.25		4.42				
30% chance more than**	4.83		6.35		5.21				

Dane County Regional Airport Weather Station 30-Year Precipitation Data (1992-2021) from NOAA Website http://agacis.rcc-acis.org/

## **September Aerial Imagery**

Off-Site Aerial Imagery Analysis

	Monthly Rainfall in Inches <sup>1</sup>							
Date	June	Weighted Precip	July	Weighted Precip	August	Weighted Precip	Weighted Sum	Relative Wetness
September-95	1.22	1	4.36	4	5.58	9	14	Normal
September-17	6.73	3	6.52	6	3.85	6	15	Wet
30% chance less than**	3.24		3.18		2.55			
30 Year Average**	5.25		4.42		4.13			
30% chance more than**	6.35		5.21		5.00			

Dane County Regional Airport Weather Station 30-Year Precipitation Data (1992-2021) from NOAA Website http://agacis.rcc-acis.org/

### **October Aerial Imagery**

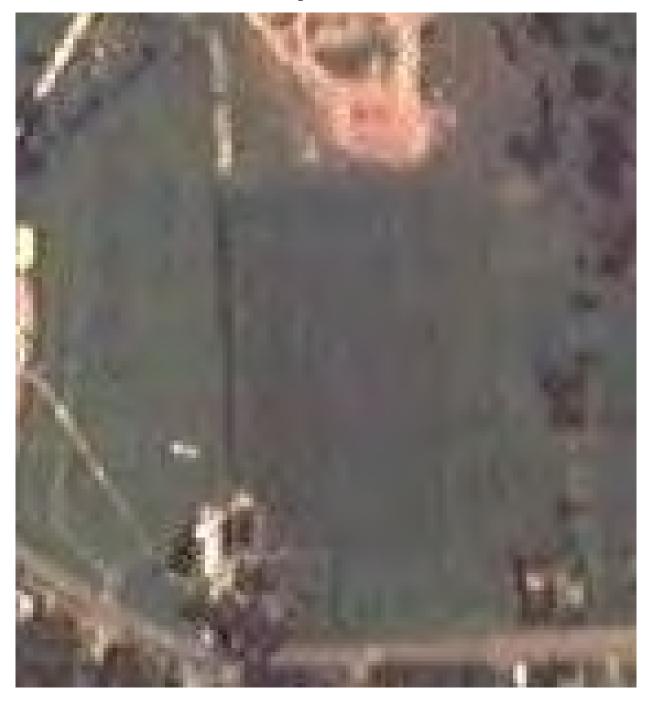
Off-Site Aerial Imagery Analysis

	Monthly Rainfall in Inches 1							
Date	July	Weighted Precip	August	Weighted Precip	September	Weighted Precip	Weighted Sum	Relative Wetness
October-96	4.08	2	1.84	2	1.07	3	7	Dry
October-15	3.15	1	5.02	6	4.10	9	16	Wet
October-18	5.67	3	3.12	4	10.40	9	16	Wet
30% chance less than**	3.18		2.55		2.16			_
30 Year Average**	4.42		4.13		3.39			
30% chance more than**	5.21		5.00		4.09			

Dane County Regional Airport Weather Station 30-Year Precipitation Data (1992-2021) from NOAA Website <a href="http://agacis.rcc-acis.org/">http://agacis.rcc-acis.org/</a>



August 1992



July 1993- Wet



July 1994- Dry



September 1995- Normal



July 1997- Dry



July 1998- Wet



July 1999- Normal



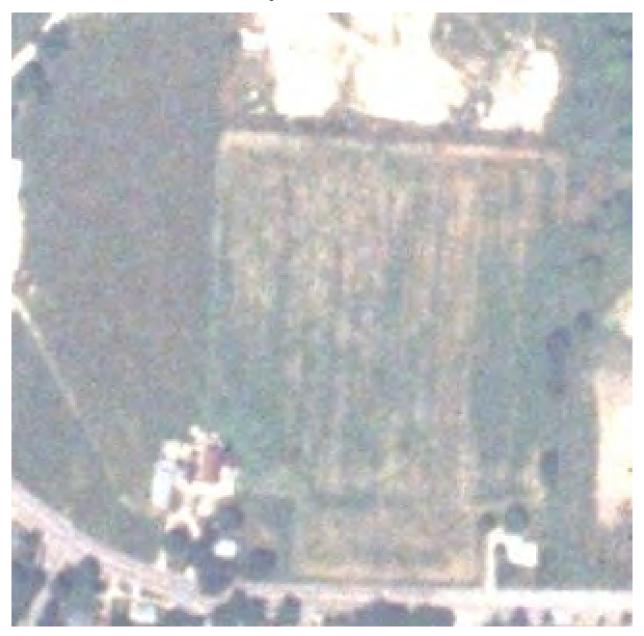
August 2000- Wet



July 2001- Normal



July 2002- Normal



July 2003- Dry









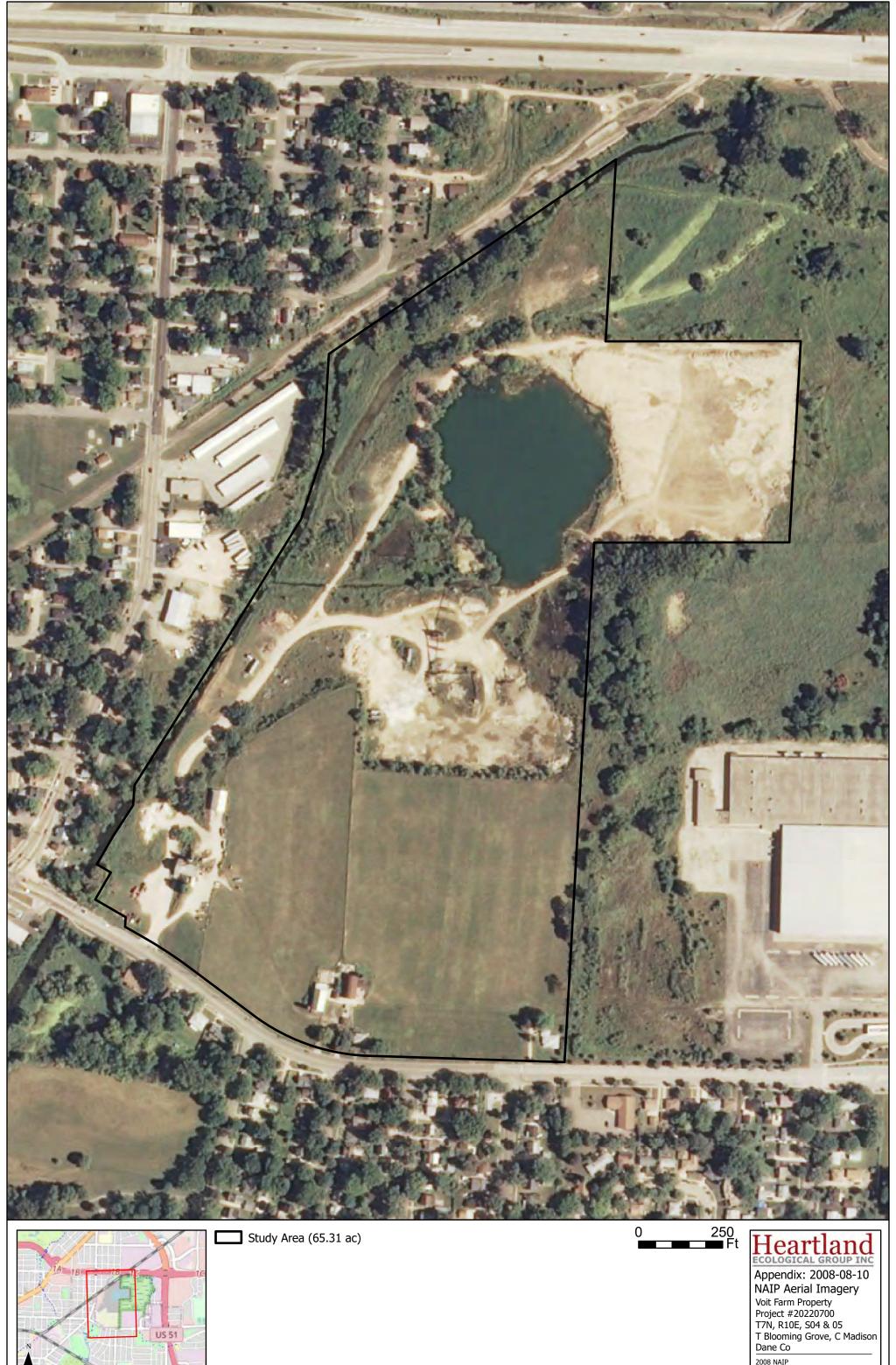


Appendix: 2005-06-23
NAIP Aerial Imagery
Voit Farm Property
Project #20220700
T7N, R10E, S04 & 05
T Blooming Grove, C Madison
Dane Co





Appendix: 2006-07-15
NAIP Aerial Imagery
Voit Farm Property
Project #20220700
T7N, R10E, S04 & 05
T Blooming Grove, C Madison
Dane Co









Heartland
ECOLOGICAL GROUP INC

Appendix: 2010-07-02

NAIP Aerial Imagery

Voit Farm Property

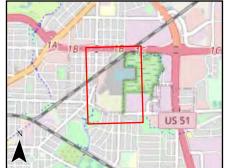
Project #20220700

T7N, R10E, S04 & 05

T Blooming Grove, C Madison
Dane Co

2010 NAIP





Heartland
ECOLOGICAL GROUP INC
Appendix: 2013-06-19
NAIP Aerial Imagery
Voit Farm Property
Project #20220700
T7N, R10E, S04 & 05
T Blooming Grove, C Madison
Dane Co





Heartland
ECOLOGICAL GROUP INC

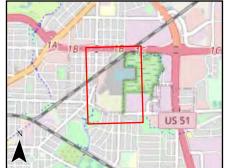
Appendix: 2015-10-11

NAIP Aerial Imagery
Voit Farm Property
Project #20220700

T7N, R10E, S04 & 05
T Blooming Grove, C Madison
Dane Co

2015 NAIP





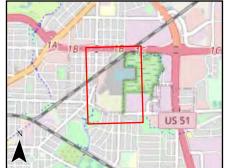
Heartland
ECOLOGICAL GROUP INC
Appendix: 2017-09-03
NAIP Aerial Imagery
Voit Farm Property
Project #20220700
T7N, R10E, S04 & 05
T Blooming Grove, C Madison
Dane Co





Heartland
ECOLOGICAL GROUP INC
Appendix: 2018-10-04
NAIP Aerial Imagery
Voit Farm Property
Project #20220700
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Dane Co
2018 NAIP





250 Ft

# Heartland ECOLOGICAL GROUP INC

Appendix: 2018-04-26
Maxar Sat. Imagery
Voit Farm Property
Project #20220700
T7N, R10E, S04 & 05
T Blooming Grove, C Madison
Dane Co

2019 Satellite Imagery Maxar





Appendix: 2020-08-30
NAIP Aerial Imagery
Voit Farm Property
Project #20220700
T7N, R10E, S04 & 05
T Blooming Grove, C Madison
Dane Co