

# Wetland Mitigation Bank Prospectus

# **Mill Creek Wetland Mitigation Bank**

City of New Berlin, Waukesha County, Wisconsin March 18, 2025

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# 1.0 Owner and Agent

### 1.1 Owner

The proposed compensatory wetland mitigation site is owned by Workman Investments LLC ("Workman" or "Sponsor"), who will also serve as the bank sponsor. Workman Investments is an LLC that holds the property rights.

### 1.2 Agent

The agent working on behalf of Workman is Heartland Ecological Group ("Heartland"). Heartland is an environmental consulting and ecological restoration firm with its main office in Mount Horeb, Wisconsin.

# 2.0 Objectives

The goal of the Mill Creek Wetland Mitigation Bank Site (the "Site") is to restore wetland hydrology and native vegetation communities for the purpose of generating compensatory mitigation credits for sale. The Site is located on two parcels which total 102.64 acres, which is depicted as the "Property Boundary" in the attached Figures. The Mitigation Site Limits (the "Site"), which is the focus of wetland mitigation and this document, are in the southern portions of the parcels and total approximately 68.17 acres. Figure 1 depicts the project location and Figure 2 provides a topographic regional view of the Site in relation to roadways, waterways, waterbodies, undeveloped areas, and the nearest airport (Appendix A).

The Wisconsin Land Economic Inventory Maps (the Bordner Survey) prepared for Waukesha County in 1937 depicted the Site as part of a large grass marsh that was surrounded by cleared cropland (Appendix B). The general location of Mill Creek is visible on the sketched map. Based on a review of historic aerial imagery, the Site had been cleared of most trees, was ditched, and was cropped for agricultural land use before 1941 (Appendix C). By 1990, farming ceased in the southwest and northeast corners of the Site and hardwood swamp wetland communities began to establish. Some of the fields were used for sod farming. The Site was utilized as a tree plantation/farm prior to 2005 with large portions of the Site planted with stands of various coniferous and deciduous trees. Remaining fields appeared to be largely utilized for hay. After the 2017 growing season, it appeared that active



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maintenance of the fields and the tree plantation rows ceased, and vegetation was left to grow naturally.

The objectives of the Site are to restore wetland hydrology to areas that were historically drained by ditches and tiles for agricultural purposes and to establish native plant communities that are appropriate for the post-restoration hydrologic conditions. The project aims to restore 34.87 acres of wet meadow wetland via re-establishment and 5.14 acres of wet meadow wetland via rehabilitation, enhance 24.29 acres of existing wet meadow and hardwood swamp wetland communities, and restore 3.68 acres of upland buffer to mesic prairie.

# 3.0 Operation

### 3.1 Hydrology Restoration

Mill Creek, which is mapped by the Wisconsin Department of Natural Resources (WDNR) as an intermittent stream at this location with Waterbody Identification Code (WBIC) 769700, flows east to west within the southern portion of the Site (Appendix A, Figure 2). The Site contains five interior ditches that run north-south and discharge into Mill Creek. Based on field investigations completed by Heartland during the 2024 growing season, the ditches vary in width and depth and some of the ditches appear to have accumulated silt from lack of maintenance. Heartland mapped the location of 13 tile outlets within Mill Creek, confirming that at least three of the fields have drainage tiles that discharge into Mill Creek. The drain tile outlet mapping was not exhaustive, and a formal drain tile investigation has not been completed. The Sponsor is aware of drainage tiles present at the Site, but does not have a tile map from the previous landowners.

A drainage tile investigation will be conducted to map the approximate locations of existing tile and to understand how these tiles are functioning. The preliminary hydrologic restoration plan for the Site includes disabling all drain tiles within the Site and the complete filling of the five interior north-south running ditches that drain to Mill Creek. It is believed that these actions will raise the water table and allow surface water to be distributed and infiltrate on Site rather than running off in channelized flows through the existing ditch system. The hydrologic restoration is anticipated to hydrate the organic soils throughout most of the Site to restore wetland hydrology and support wetland plant communities.



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The Sponsor will work with a qualified engineering firm with water resources capabilities to conduct hydrology modeling to assess current site drainage as well as the drainage that would result from these tile and ditch disablement actions. An off-site impact analysis would be completed for the proposed hydrologic restoration. Mill Creek and the ditches along the eastern and southern perimeters of the Site would remain functional to convey flows and to avoid off-site impacts. Ditches north of the Site would also remain functional and engineering plans would be created for the Site to continue to accept water from these off-site ditches and disperse the flows onto the Site after ditch disablement.

Additional hydrology restoration will be accomplished by removing spoil piles as well as creating some shallow scrapes to provide microtopographic relief and to get the ground surface closer to the water table in locations near ditch bends or slight rises.

### 3.2 Vegetation Restoration

Native plant communities will be restored at the Site that match proposed hydrologic regimes and our understanding of historic wetland plant communities in the surrounding landscape. Pre-restoration site observations and the results of the hydrology analysis will be used to tailor proposed vegetative communities to the expected post-restoration hydrology. Nearby reference wetlands with similar soils may be evaluated to develop seed lists and establish target vegetative communities.

Vegetation restoration will require removal of trees that were planted for tree plantation/farm purposes, as well as removal of existing invasive species in the herb, shrub, and tree layers. Existing hardwood swamp communities and wet meadow communities will be enhanced by removal of invasive species and the installation of a native wetland seed mix. Wet meadow re-establishment and rehabilitation areas will be seeded with a native wet meadow seed mix and upland buffer areas will be seeded with a native mesic prairie seed mix following removal of existing vegetation and seed bed preparation.

# 3.3 Establishment Management, Monitoring, and Reporting

All seeded areas within the Site will be managed to encourage the establishment of native vegetation and reduce the presence and spread of invasive species. Management mowing will be used to reduce the presence of annual and biennial weeds and get light to the ground surface to support the establishment of seeded species. Targeted herbicide applications will be used to reduce the presence of perennial invasive species. A prescribed

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burn will be conducted approximately three years after seeding to remove thatch, reduce the presence of undesirable herbaceous and woody species, and stimulate native species.

Permanent vegetation sampling plots will be established, and twice-annual vegetation surveys will be performed to assess the achievement of site-specific vegetation performance standards. Shallow groundwater monitoring wells will be used to assess the achievement of hydrology performance standards. Annual monitoring reports will be compiled which summarize the results of vegetation and hydrology monitoring, achievement of performance standards, request credit releases, document management work performed over the previous growing season, and identify the need for adaptive management strategies.

### 4.0 Service Area

The mitigation site is within the Upper Fox River HUC-8 watershed of the Upper Illinois Bank Service Area (BSA) (Appendix A, Figure 3).

### 5.0 Need

There is currently one active private wetland mitigation bank, RFD II, within the Upper Illinois BSA. RFD II has released 20% of the credits to date, which were sold shortly after release, and is anticipated to generate up to 20.33 more credits in the future.

The WDNR Wisconsin Wetland Conservation Trust (WWCT) in-lieu fee (ILF) program has sold 47.79 credits, fulfilled 41.05 credits, and had 33.26 credits available within the Upper Illinois BSA as of January 1, 2025. An additional 61.01 WWCT credits were sold within this BSA for company-specific wetland mitigation needs (i.e., Foxconn and Microsoft) that have not been fulfilled.

Heartland reviewed the WWCT *Program Instrument* document (2023 WDNR) to identify wetland resource threats, current trends in habitat loss or conversion, historic loss, and the goals and objectives of prospective wetland restoration projects within the BSA as a whole and within individual HUC-8 watersheds. This document was used to inform a watershed approach to selecting this Site as a suitable wetland mitigation project to address watershed needs. The Upper Illinois BSA was identified as one of the most urbanized service areas in the state and wetland resource threats were considered very high and widespread given it is extremely highly developed and the extent of agricultural land use.

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Wetland resource threats identified by the WWCT within the Upper Illinois BSA include:

- Extremely high habitat fragmentation
- Agricultural impacts including ditching, diking, draining, and stream realignment
- Groundwater withdrawal in the northern portion of the BSA (where this project is located) that threatens to deplete groundwater resources
- Establishment and spread of invasive species

Within the Upper Fox River HUC-8, where this Site is located, the greatest estimated percent loss of historic wetland communities is as follows:

- Sedge Meadows / Wet to Wet-Mesic Prairie: 42.60%
- Floodplain Forest: 47.31%
- Wet to Wet-Mesic Prairie: 57.39%

Goals and objectives for the Upper Illinois BSA identified by the WWCT *Program Instrument* include:

- Perform compensatory mitigation in watersheds featuring a high percent loss of historic wetlands and high quantity of potentially restorable wetlands.
- Replace wetland communities that have had the highest historic percent loss or that
  feature the greatest disturbance pressure from permitted wetland disturbance
  activities in areas identified within or adjacent to mapped Potentially Restorable
  Wetland locations. Specific goals and objectives for the Upper Fox River HUC-8 are to
  restore and enhance sedge meadows, fresh (wet) meadows, wet to wet-mesic
  prairies, and floodplain forest.

Establishment of the Mill Creek Wetland Mitigation Bank would address the needs of the watershed by:

- Re-establishing wetland communities that have experienced historic loss, specifically wet meadow.
- Rehabilitating and enhancing existing wetland communities that are impacted by artificial drainage and invasive species.
- Converting agricultural land back to native wetland and upland buffer communities to reduce habitat fragmentation and enhance floristic quality, floodwater storage, and groundwater processes. This Site would also expand existing Primary Environmental



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Corridor (PEC) as identified by the Southeastern Wisconsin Regional Planning Commission (SEWRPC).

- Creating another private bank source of mitigation credits, thereby reducing temporal loss of wetlands the ILF program has not yet replaced.
- Establishing a mitigation bank within a watershed featuring a high quantity of potentially restorable wetlands.

# 6.0 Technical Feasibility

The design concept for the mitigation project entails drain tile and interior ditch disablement, removal of spoil piles and creation of shallow scrapes for microtopographic relief, removal of existing invasive vegetation, planting native vegetation appropriate for the expected post-restoration hydrology, and managing the Site to encourage the establishment of native plant communities. The concept plan is typical of wetland restoration projects that utilize ditch filling and tile disablement to restore wetland hydrology within artificially drained hydric soils. Because the Site had been most recently used as a tree plantation/farm and has been unmaintained in recent years, vegetation restoration within the Site will require more site preparation than sites that are under active row cropping prior to hydrologic restoration. It is anticipated that two years of seed bed preparation will be needed to remove plantation trees and invasive vegetation prior to hydrologic restoration and native seed installation.

The development of a successful mitigation bank is feasible at this Site for the following reasons:

- Soils at the Site are primarily mapped as Houghton muck (Hta) with a small component of Ogden muck (Oc), both of which are considered hydric and very poorly drained soils (Appendix A, Figure 4)
- Drain tiles and interior ditches can be disabled to restore wetland hydrology within these hydric soils.
- The Wisconsin Wetland Inventory (WWI) (Appendix A, Figure 5) depicts wetlands adjacent to the southern and eastern portions of the Site. Restoring wetland within the Site would create a larger wetland complex that has been historically fragmented by agricultural land use. Additionally, land to the southwest of the Site is part of a conservation subdivision (Kohler Ridge) that has protected wetlands adjacent to the



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Site under a conservation easement. Restoring wetlands at the Site would also significantly expand the area designated as PEC that is currently limited to the southwest corner of the Site.

- The WDNR Potentially Restorable Wetlands (PRW) layer indicates that much of the Site is suitable for wetland restoration (Appendix A, Figure 6).
- The Site is relatively flat and within a low area of the overall landscape (Appendix A, Figure 7). Hydrologic restoration will allow the organic soils to maintain a high water table and support wetland conditions.
- A search for nearby airports was performed to assess potential Federal Aviation Administration ("FAA") conflicts within a 5-mile radius buffer from the Site. A small, private airstrip is located approx. 2.04 miles to the northeast of the Site and a hospital, presumably with a helicopter pad, is located just outside the 5-mile buffer to the northwest of the Site (Appendix A, Figure 2). Wetland mitigation at this Site is not anticipated to have conflicts with aviation due to the distances to the nearest airports and because open water communities are not proposed.
- Heartland coordinated with the State Historic Preservation Office (SHPO) and there is
  no information on archaeological surveys, historic buildings, archaeological sites, or
  burial sites within the Site.
- No known encumbrances have been identified that limit or negatively affect the compensation site goals (Appendix D).
- Workman, the Sponsor and landowner, has the equipment, staff, and experience to conduct many of the earthwork and maintenance components for the project and has their main yard located nearby in New Berlin. See Chapter 8.0 for additional qualification information.
- Heartland, the agent for the project, has a proven history of guiding mitigation
  projects through the regulatory approval process, successfully establishing and
  managing native vegetative communities, and fulfilling the required vegetation and
  hydrology monitoring and reporting. See Chapter 8.0 for additional qualification
  information.

# 7.0 Ownership and Long-Term Management

The Site is currently owned and managed by Workman. Title and easement information for the two parcels that comprise the entire 102.64-acre property are provided in Appendix D.



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All easements for overhead electric lines, access, and a holding tank appear to be related to the northern portions of the property that are outside of the mitigation project boundary, or Site.

Workman is committed to long-term management of the Site. Long term management activities will include invasive species control and general maintenance to sustain the functional value gains of the project in the long-term. Workman proposes to place a conservation easement on the Site to permanently protect and preserve the Site and is committed to maintaining the land in accordance with the conservation easement.

## 8.0 Qualifications

The bank sponsor is Workman Investments LLC (Workman). The mitigation bank plan developers include wetland scientists and restoration ecologists from Heartland Ecological Group, Inc. (Heartland). Workman will contract with an engineering firm to conduct hydrology modeling and restoration design. This firm will be responsible for providing predictive modeling of the expected post-restoration hydrology and analysis of potential offsite water-related impacts.

Workman has been in business for 14 years. Austin Workman and Brady Workman are the company representatives for the wetland mitigation project. Workman has been involved in a vast array of municipal projects from trails, parks, bioswales with native plant establishments, and streambank restoration, in addition to other grading and excavating projects. This company has a variety of equipment types, including low ground pressure equipment for working in sensitive environments. Workman is equipped to conduct many of the site preparation, implementation, and maintenance tasks needed for the wetland mitigation bank site including removal of undesirable woody vegetation, grading to remove spoil piles and create microtopographic depressions, ditch disablement, and maintenance mowing. With their main yard located in New Berlin, Workman can keep a close eye on the mitigation site development and can quickly mobilize equipment or resources.

<u>Heartland</u> is an environmental consulting and ecological restoration company that specializes in the assessment, mapping, restoration, and application of regulatory policies related to wetlands, streams, and other natural resources. Heartland staff have been involved in planning and development and/or monitoring and management of several



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mitigation sites, including the closed-out Upper French Creek Mitigation Site (Ashley Furniture) in Trempealeau County and the Guardian II Wetland Mitigation Site (Oneok) located in Winnebago County. Heartland currently performs mitigation monitoring and vegetation management for two WWCT-sponsored ILF sites (Soik and Evansville) and one private site (RFD II Wetland Mitigation Bank). Heartland additionally led the prospectus phase, baseline site assessments, hydrology monitoring, site design, and CSP/MBI development for the Big Hollow Mitigation Bank Site (not yet constructed) and the Rock Creek Wetland Mitigation Bank Site (currently in the final CSP/MBI stage) and has conducted invasive species management for an additional four constructed sites in Wisconsin. Heartland staff anticipated to support the project include:

Jeff Kraemer is the founder of Heartland and has over 20 years of experience as an environmental consultant, ecological and regulatory policy practitioner, and managing business leader. He 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. Jeff has served as the project manager and technical lead on numerous wetland restoration and wetland mitigation projects throughout Wisconsin.

Sarah Kraszewski is a senior ecologist and Professional Wetland Scientist (PWS) with over 15 years of experience overseeing wetland mitigation planning and design, leading restoration crew implementation, and/or conducting vegetation monitoring, hydrology analysis, and mitigation monitoring reporting for over 15 wetland mitigation bank sites in the Midwest. Sarah provides project-specific restoration plans tailored to a site's unique characteristics and adapts management strategies as sites evolve over time.

Scott Fuchs is an environmental scientist and state-assured wetland delineator. Scott's experience includes wetland delineation and assessment, wetland and waterway permitting, vegetation and hydrology monitoring, preparing compensation site plans, preparing mitigation reports, and GIS. Scott has drafted approved compensation site plans for the Evansville ILF site and the Big Hollow Mitigation Bank (not yet constructed). He currently leads vegetation and hydrology monitoring and reporting for the Evansville and Soik ILF sites.

Matt Stangel is an environmental scientist and state-assured wetland delineator. Matt's experience includes wetland delineation and assessment, wetland and waterway permitting, vegetation monitoring, and GIS.



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Wes Ellarson is an environmental scientist and restorations operations manager with a passion for hands-on land management. Wes's experience includes habitat improvement planning and implementation, leading restoration field crews, serving as a burn boss, and the operation of tractors, forestry mowers, skid steers, and chainsaws for restoration implementation.

# 9.0 Ecological Suitability

The Site has the potential to significantly restore wetland acreage while providing vegetative, habitat, and hydrologic improvements to existing wetland acreage. The Bordner Survey indicates that the Site was historically part of a large herbaceous wetland complex (Appendix B). Based on a historical imagery review (Appendix C), the Site was drained via multiple ditches and has an extensive history of agricultural production for crops, hay, and more recently as a tree plantation/farm.

#### 9.1 **NRCS Soils**

According to the USDA NRCS soil survey data (Appendix A, Figure 4) approximately 67 acres, or 98% of the Site, consists of hydric or predominantly hydric soil units. Houghton muck (HtA) and Ogden muck (Oc) comprise over 90% of the mapped soils at the Site and are considered 100% hydric. Pella silt loam (Ph) comprises approximately 7% of the Site and is considered predominantly hydric (or 87% hydric). The remaining 1.5 acres, or approximately 2% of the Site, consist of Martinton silt loam (MgA), which is considered predominantly non-hydric (or 7% hydric).

The NRCS soil series descriptions of the Houghton and Ogden muck soil units note very poorly drained soils with a depth to water table about 0-4 inches from the soil surface. The soil profile for Houghton muck consists of muck up to 79 inches in depth; whereas Ogden muck consists of 0-24 inches of muck underlain by silty clay. Pella silt loam is considered poorly drained, the water table is near the soil surface, and a typical profile consists of silt loam underlain by silty clay loam.

#### 9.2 2024 Field Assessments

### 9.2.1 Hydrology Monitoring

Heartland installed six shallow groundwater monitoring wells (MW1-MW6) prior to the start of the 2024 growing season to assess baseline hydrology. Groundwater monitoring was also



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conducted to provide additional water table data to supplement field data collected for the wetland delineation due to the presence of hydric soils throughout most of the Site. Wells were installed beyond the anticipated influence of the ditches (Appendix A, Figure 8). Wells were installed in accordance with the *Technical Standard for Water-Table Monitoring of Potential Wetland Sites* (USACE 2005). Soil profiles taken at well locations consisted of 12-18 inches of muck underlain by peat that extended to at least 36 inches in depth, except for the location of MW2 for which silty clay was encountered below the organic layers at a depth of 26 inches. MW2 was shortened to stay within the organic soil layer and did not penetrate the underlying mineral soil.

Each well was fitted with a dedicated HOBO® water level data logger that was set to record hourly pressure-based measurements on March 25, 2024, near the start of the growing season. Data loggers were downloaded three times during the growing season. Manual depth to water measurements were collected during each download to calibrate and serve as a comparison to pressure data collected by the water level data loggers. Data loggers were removed from the wells on November 5, 2024, prior to the end of the growing season. The data logger for MW5 broke after the download on August 23, 2024.

Precipitation data, representative of conditions at the Site, were obtained from the Waukesha WWTP weather station in Waukesha County (AgACIS 2024). Average precipitation and snowfall values were also obtained from this weather station WETS Table, which provides monthly averages based on National Weather Service 30-year precipitation data records from 1994-2023 (AgACIS 2024). Antecedent precipitation analysis was completed using the 30-day rolling total calculation to compare precipitation in 2024 to the normal range (Appendix E, Chart 1; Sprecher and Warne 2000). In general, total precipitation accumulation during the growing season was wetter than normal. The months of March-June and November were wetter than normal, July-September were within the normal range, and October was drier than normal (Appendix E, Table E-1). Winter 2023-2024 snowfall (30.0 inches) was less than the 30-year average of 37.4 inches (Appendix E, Table E-2).

Summary statistics were calculated for water level depths recorded by the data loggers over the monitoring period (March 25-November 5; Appendix E, Tables E-3 and E-4) and hydrographs are depicted for each well (Appendix E, Chart 2). MW1, MW4, and MW6 met the 14-day wetland hydrology standard and had a maximum duration of water table within



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12 inches of the soil surface for 81, 81, and 50 days, respectively. The water table was less than 12 inches below the soil surface at MW2, MW3, and MW5 for the entire 2024 growing season. Drain tile outlets were observed in Mill Creek from the fields where these wells are located, and it appears that at least portions of these fields are being effectively drained by tile (Appendix A, Figure 8).

9.2.2 Wetland Delineation and Preliminary Mitigation Feasibility Assessment Heartland completed an assured wetland delineation at the property on July 26, 2024, and the wetland delineation report is provided in Appendix F. Heartland completed another site visit on August 23, 2024, to collect additional baseline data for preliminary wetland mitigation feasibility purposes.

Hydrology data collected at the monitoring wells was used to inform the wetland delineation in areas that might have drained hydric soil. Delineated wetland boundaries are depicted on Figure 8 (Appendix A). Wetland areas are primarily connected by the ditch network and continue off-site to the southwest, south, and east. An excavated pond (Pond 1) is mapped north of the Site.

Mill Creek and eight other waterways/ditches (WW-1:WW-8) that drain to Mill Creek were mapped within the property (Appendix A, Figure 8). WW-1 is located north of the mitigation project boundary. The ditches and Mill Creek effectively divide the Site into seven cells. Although a comprehensive tile survey was not completed, 13 tile outlets were observed that discharge into Mill Creek. Based on the presence of tile outlets, it is assumed that tiles run north-south through portions of the Site and are effectively draining some of the areas of hydric soil. Several of the ditches (WW-3, WW-4, WW-5, and WW-8) appeared to have been unmaintained and have accumulated silt over time, as evidenced by vegetation growing throughout the channels.

Wetlands consist primarily of degraded wet meadow plant communities with hardwood swamp present in the southwest and northeast portions of the Site. Wetland vegetation is generally low quality and wetlands are degraded by weedy and invasive species including reed canary grass (*Phalaris arundinacea*), stinging nettle (*Urtica dioica*), giant ragweed (*Ambrosia trifida*), and invasive common reed (*Phragmites australis* ssp. *australis*) in the herbaceous layer and common buckthorn (*Rhamnus cathartica*) and box elder (*Acer negundo*) saplings in the shrub layer. Dominant canopy trees in the hardwood swamp communities and along ditch lines included willow (*Salix* spp.), eastern cottonwood (*Populus* 



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*deltoides*), and box elder. Vegetation identified at sample points near the wetland boundaries are provided on the wetland data forms (Appendix F).

Multiple tree species were observed in the tree plantation areas including red pine (*Pinus resinosa*), Norway maple (*Acer plantanoides*), red maple (*Acer rubrum*), spruce (*Picea* spp.), elm (*Ulmus* spp.), honey locust (*Gleditsia triacanthos*), American basswood (*Tilia americana*), crab apple and apple (*Malus* spp.), bur oak (*Quercus macrocarpa*), swamp white oak (*Quercus bicolor*), red oak (*Quercus rubra*), plum (*Prunus* sp.), and hackberry (*Celtis occidentalis*). It was unclear if these trees were cultivars or varieties. Planted trees varied in size from an estimated 3-12 inches diameter at breast height (dbh).

The understory in the tree plantations were primarily dominated by hydrophytic weedy species including reed canary grass, stinging nettle, giant ragweed, and common burdock (*Arctium minus*) as well as orange jewelweed (*Impatiens capensis*). Encroaching box elder and common buckthorn were common. The understory in the northwest corner of the Site was drier and typical of an old field community with species such as Canada goldenrod (*Solidago canadensis*), bird's-foot trefoil (*Lotus corniculatus*), Queen Anne's lace (*Daucus carota*), red clover (*Trifolium pratense*), Kentucky bluegrass (*Poa pratensis*), timothy (*Phleum pratense*), and dandelion (*Taraxacum officinale*).

Upland meadow areas were also low quality and hydrophytes were common. Dominant species included reed canary grass, Canada thistle (*Cirsium arvense*), stinging nettle, and purple-stem aster (*Symphyotrichum puniceum*) with encroaching woody vegetation including common buckthorn and box elder.

### 9.3 Proposed Compensation Types and Vegetative Communities

Proposed plant communities and compensation types were identified based on historic records indicating the area consisted of grass marsh, desktop reviews, historic wetland losses in the watershed, and field observations made during the 2024 field season of soil types, existing wetland areas, vegetation, topography, and drainage (Appendix A, Figure 9). A brief description of each compensation type at the Site is provided below. All restored plant communities will be managed to achieve vegetation performance standards during the mitigation performance period and will be maintained in the long-term to support the functional lift.



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### Re-Establishment (34.87 acres)

Re-establishment areas were delineated based on the presence of hydric soils and low lying/relatively level topography in areas that do not currently meet wetland criteria; presumably due to the presence of drain tiles and ditches; but will re-establish as wetland plant communities. Re-establishment areas will be restored through a combination of tile and ditch disablement, removal of spoil piles, creation of shallow scrapes to create microtopography, removal of planted trees and existing undesirable vegetation, and native seeding efforts. Wet meadow is currently proposed as the re-establishment plant community; however, it is anticipated that the Site will also support sedge meadow communities in areas that have longer durations of soil saturation or shallow seasonal inundation following hydrologic restoration.

### Rehabilitation (5.14 acres)

Rehabilitation areas currently meet wetland criteria and are located within and adjacent to ditches. These areas have low floristic quality. There will be functional lift in both hydrology and vegetation through restoration efforts. Additional wetland rehabilitation areas may be identified following a drain tile investigation if there are existing wetland areas that are being partially drained by tiles. The rehabilitation areas will primarily be restored through ditch filling, disablement of drain tile, removal of planted trees and invasive species, and native seeding efforts. Similar to re-establishment areas, wet meadow is currently proposed as the primary rehabilitation plant community; however, it is anticipated that some of these areas will have longer durations of soil saturation or shallow seasonal inundation following hydrologic restoration and will support sedge meadow communities.

### Enhancement (24.29 acres)

Existing wetland areas that will not receive hydrologic lift from drain tile and ditch disablement will be floristically enhanced by invasive species removal and installation of native seed mixes to support native wet meadow and hardwood swamp plant communities. Native, non-invasive trees and shrubs will remain within existing hardwood swamp communities to continue to add heterogeneity and habitat diversity to the Site.



### Upland Buffer (3.68 acres)

Upland buffer is delineated in the northwest portion of the Site based on the absence of hydric soils and topography that is not anticipated to support wetland conditions following hydrologic restoration. Existing planted trees and herbaceous vegetation will be removed and a mesic prairie seed mix will be installed. This area will provide a native buffer to the restored wetland plant communities.

### 9.4 Potential Credit Generation

Table 1 provides potential credits and ratios for proposed plant communities and compensation types at the Site. Compensation type acreages will be updated following drain tile investigations and hydrology modeling. Appropriately sized buffers will be placed around the Site perimeter that would have reduced credit potential but receive the same implementation and management.

Table 1. Mill Creek Wetland Mitigation Bank Potential Credits

Compensation Type	Plant Community	Area (acres)*	Credit Ratio	Projected Credits
Restoration via Re-establishment	Wet Meadow	34.87	1:1	34.87
Restoration via Rehabilitation	Wet Meadow	5.14	0.75:1	3.86
Enhancement	Wet Meadow	18.42	0.33:1	6.08
Ennancement	Hardwood Swamp	5.87	0.33:1	1.94
Upland Buffer	Prairie	3.68	0.25:1	0.92
Total	67.98	N/A	47.66	

<sup>\*</sup>There is approx. 0.25 acre of rounding error within the Site.

# 10.0 Hydrology

The preliminary hydrologic restoration concept plan is depicted on Figure 10 (Appendix A). The five interior north-south running ditches that discharge to Mill Creek (WW-3, WW4, WW-5, WW-6, and WW-8) are proposed to be filled. Ditches north of the Site would also remain functional and engineering plans would be created for the Site to continue to accept water from these off-site ditches and disperse the flows onto the Site after ditch disablement. The public have rights within land below the ordinary high water mark of Mill Creek. There are no known drainage rights or easements by others within the Site.



Project #: 20241185 March 18, 2025

Perimeter ditches and Mill Creek will be left intact to convey flows so adjacent properties are not impacted. All drain tiles within the Site are proposed to be disabled. Any proposed ditch and drain tile disablement within the Site will be evaluated to ensure that adjacent landowners are not adversely impacted.

Spoil piles will be removed. Shallow scrapes will be made to create microtopographic relief and to get the soil surface closer to the water table in select areas that will be further identified during the engineering design. A drain tile investigation, field measurements of the ditches, hydrology modelling of existing versus restored conditions, and an off-site impact assessment will be completed during the development of the Compensation Site Plan (CSP).

# 11.0 Adjacent Property Owner Contact Information

The Site is surrounded by private landowners and homeowners associations (Appendix A, Figure 11). The Sponsor understands that the USACE will solicit public comments on this mitigation Prospectus and will send the public notice to all adjacent property owners. The adjacent property owners' names and mailing addresses are provided in Appendix G.

### 12.0 References

AgaCIS (Agricultural Applied Climate Information System). 2024. NOAA Regional Climate Centers. Accessed December 15, 2024, from: <a href="http://agacis.rcc-acis.org/">http://agacis.rcc-acis.org/</a>.

Sprecher, S.W. and A.G. Warne. 2000. Accessing and using meteorological data to evaluate wetland hydrology. WRAP Technical Notes Collection (Technical Report TR-WRAP-00-1), U.S. Army Engineer Research and Development Center, Vicksburg, MS.

U.S. Army Corp of Engineers. 2005. Technical Standard for Water-Table Monitoring of Potential Wetland Sites. ERDC TN-WRAP-05-02. Vicksburg, MS: U.S. Army Engineer Research and Development Center. Available at: <a href="https://erdc-library.erdc.dren.mil/items/81b728f7-654a-4ef8-e053-411ac80adeb3">https://erdc-library.erdc.dren.mil/items/81b728f7-654a-4ef8-e053-411ac80adeb3</a>.

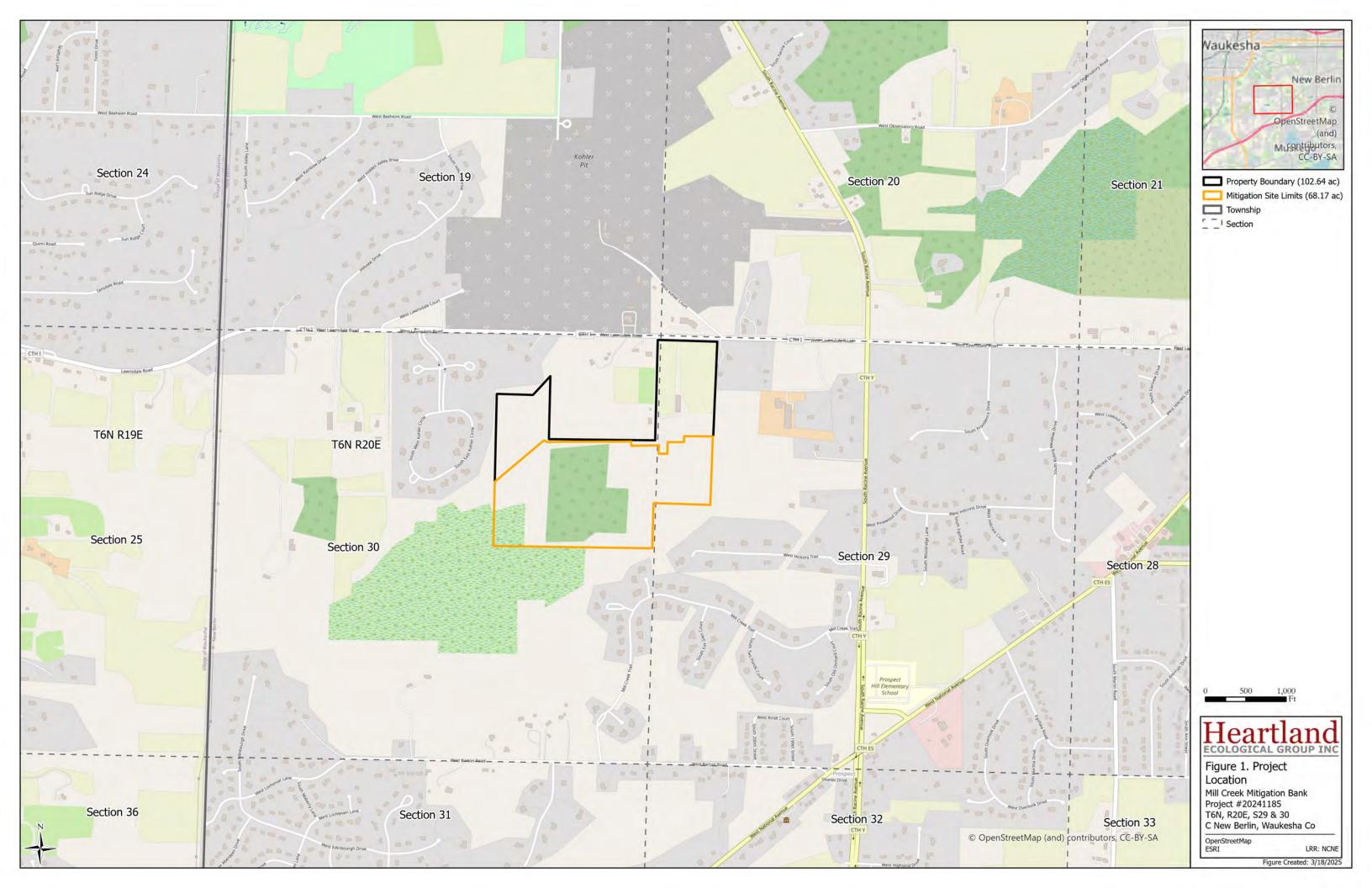
Wisconsin Department of Natural Resources (WDNR). 2023. WI Wetland Conservation Trust Program Instrument. Available at:

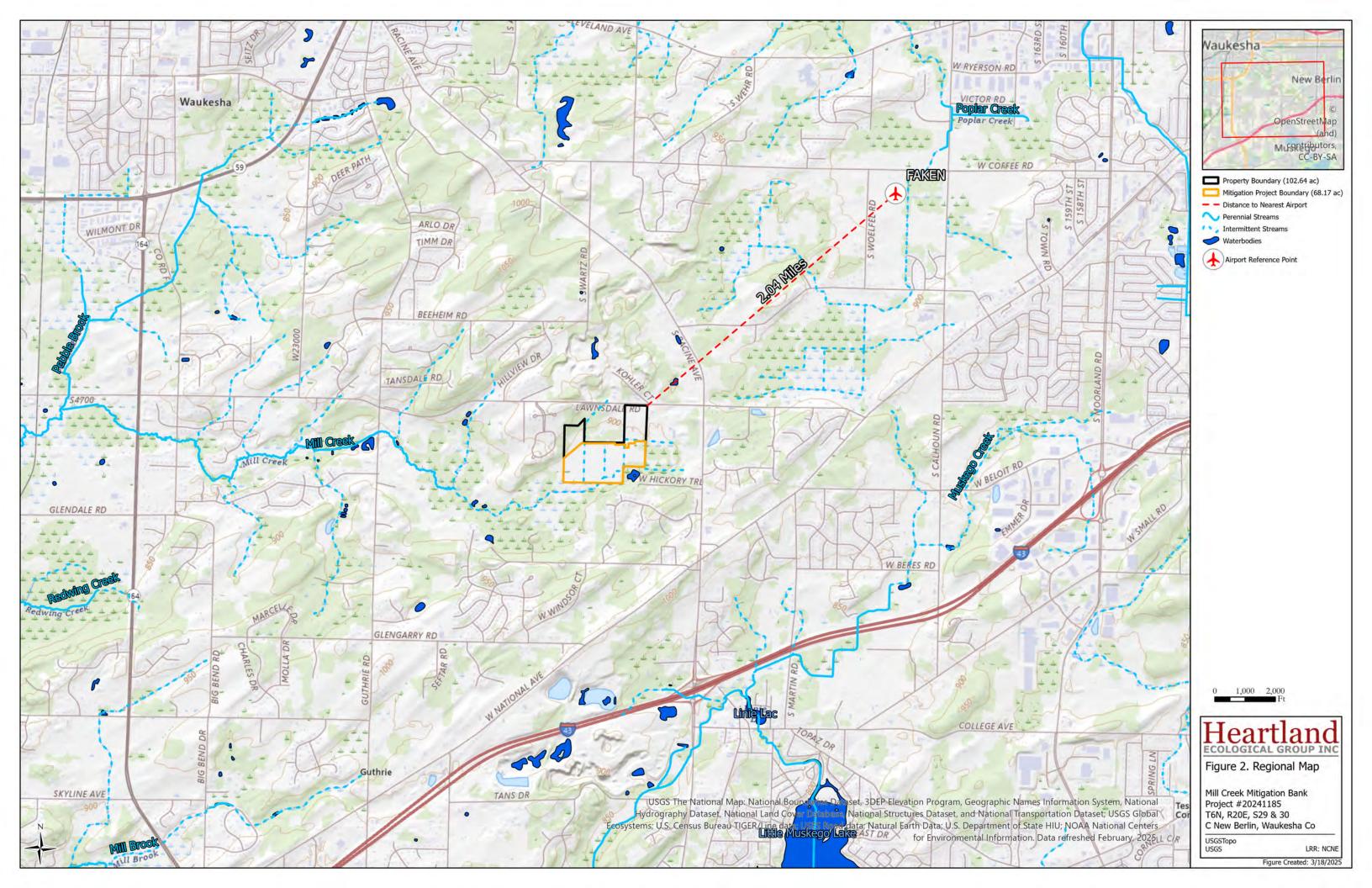
https://dnr.wisconsin.gov/sites/default/files/topic/Wetlands/WWCT\_Final\_Instrument\_June\_ 23\_2023.pdf

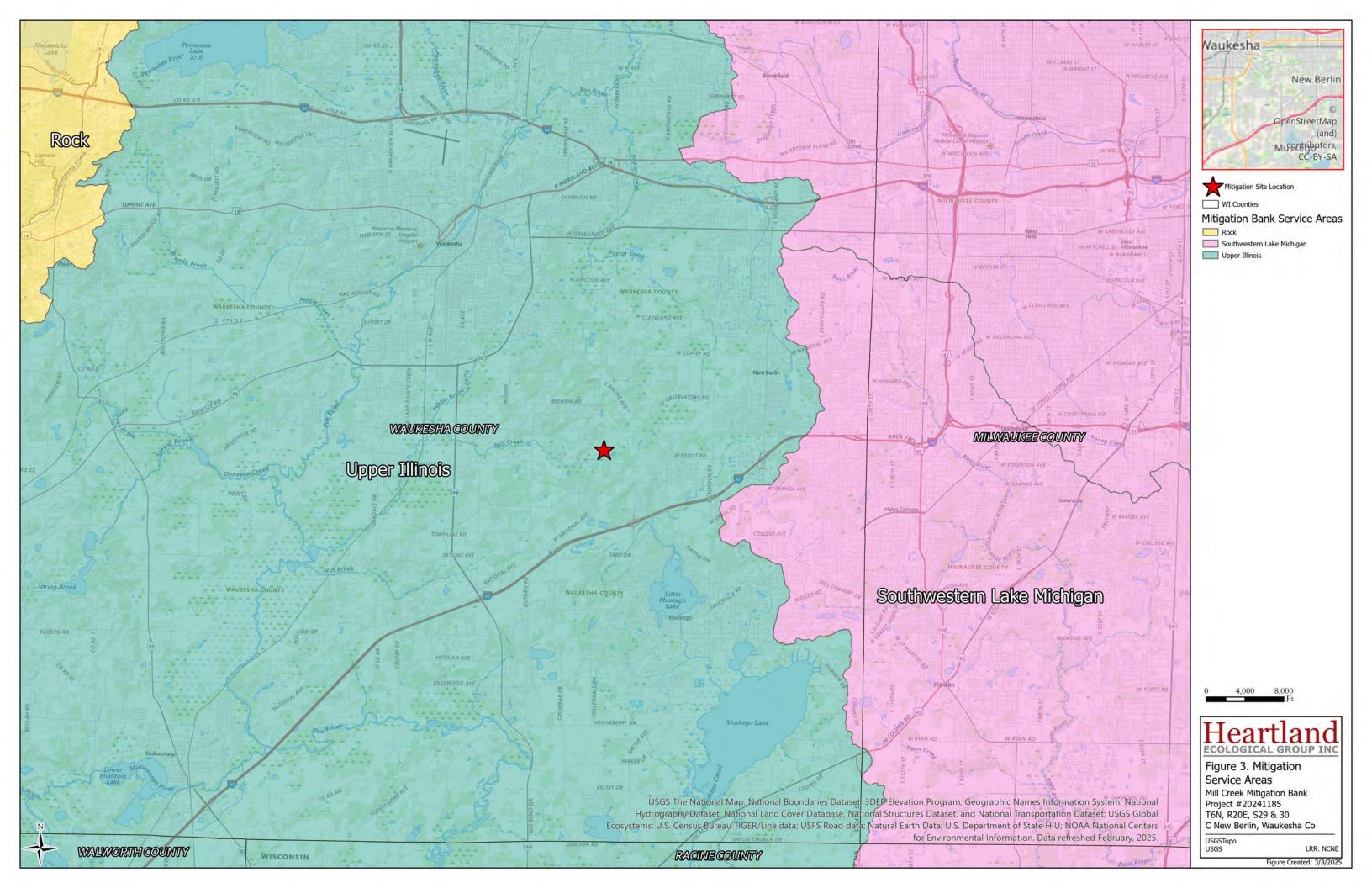


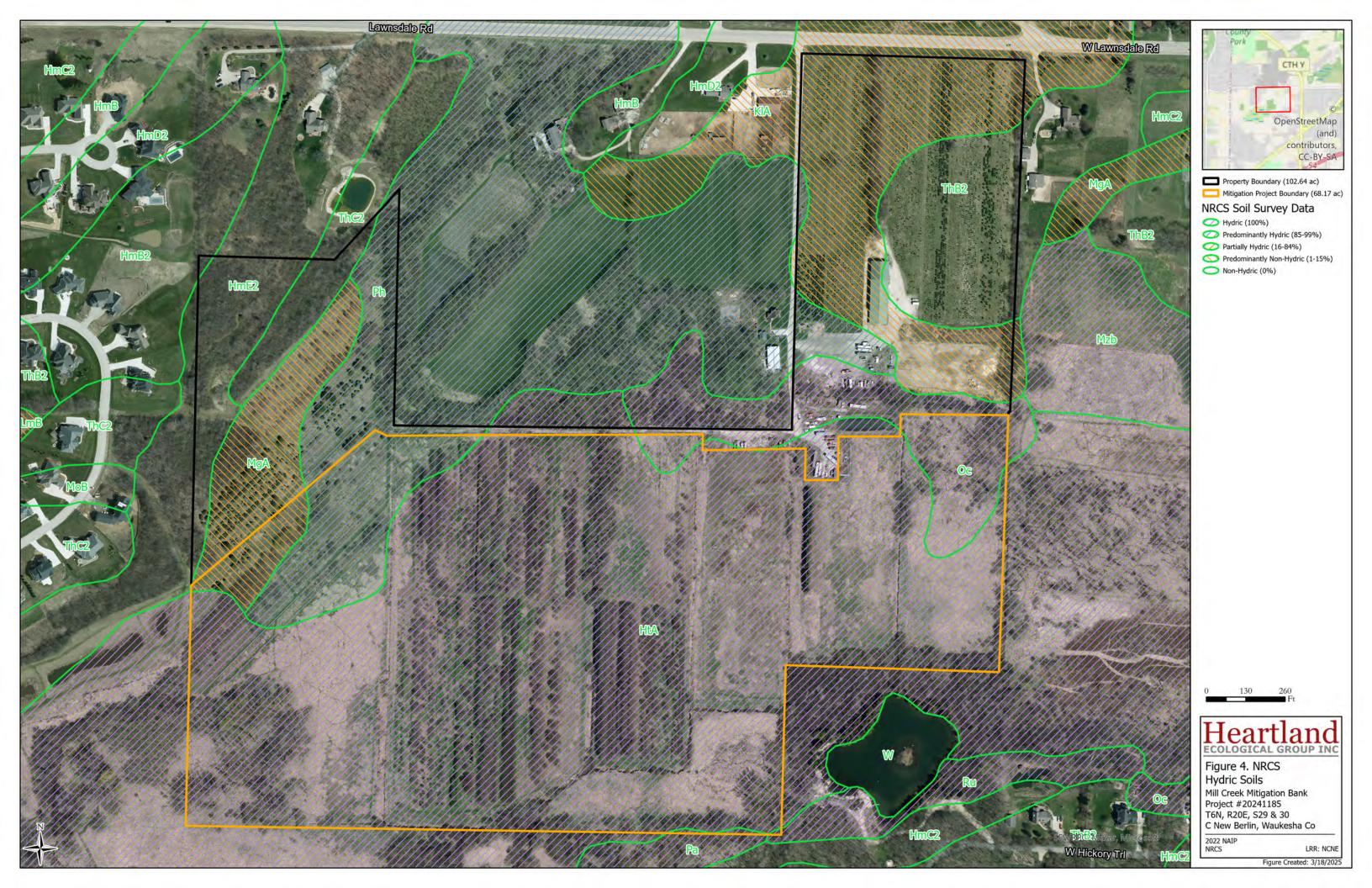
# Appendix A | Figures

- Figure 1. Project Location
- Figure 2. Regional Map
- Figure 3. Mitigation Service Areas
- Figure 4. NRCS Hydric Soils
- Figure 5. Wisconsin Wetland Inventory
- Figure 6. WDNR Potentially Restorable Wetlands
- Figure 7. Contours and DEM Map
- Figure 8. Baseline Conditions
- Figure 9. Compensation Types & Credit Ratios
- Figure 10. Prelim Hydrology Restoration Concept Plan
- Figure 11. Adjacent Landowners



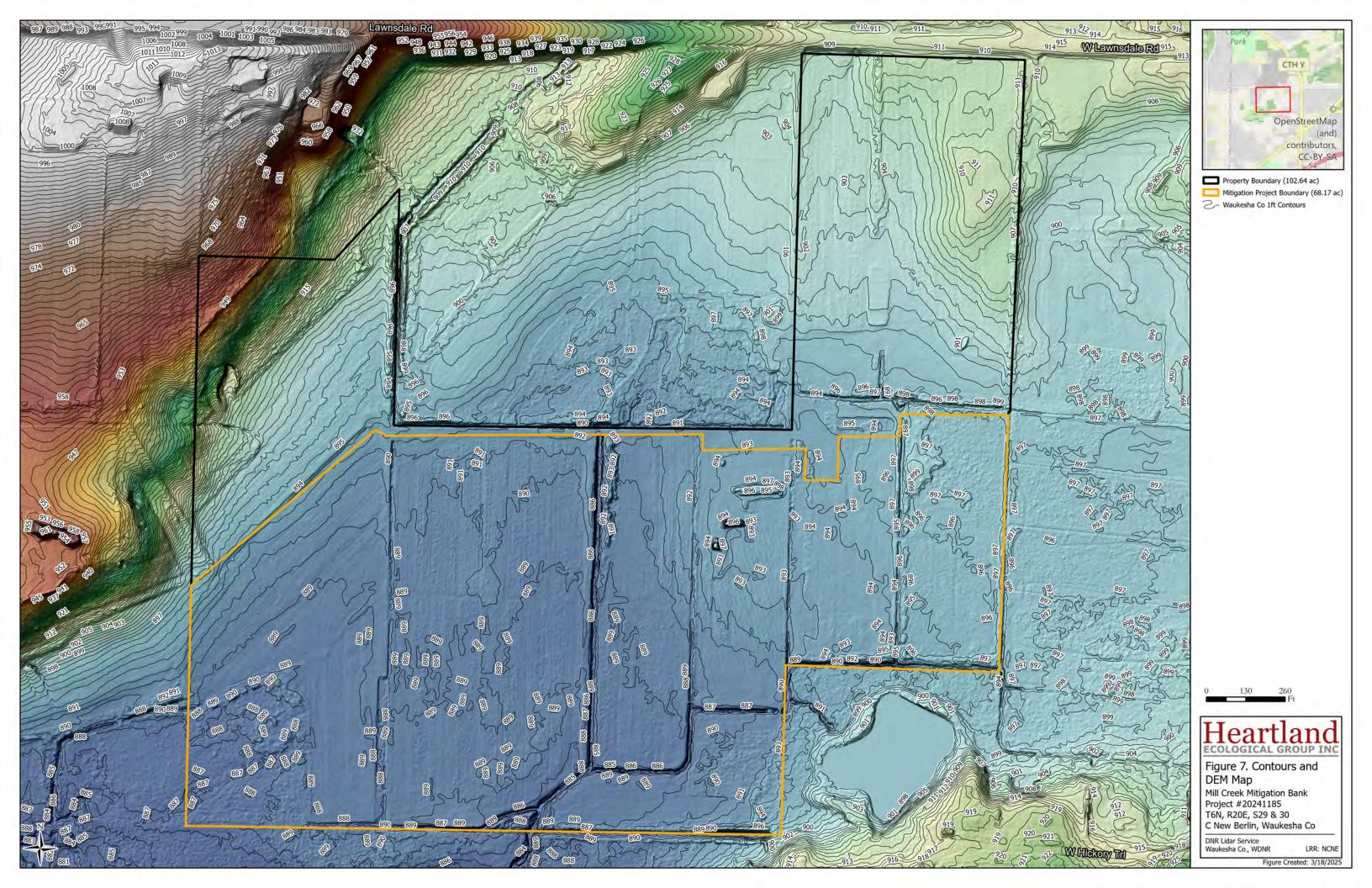






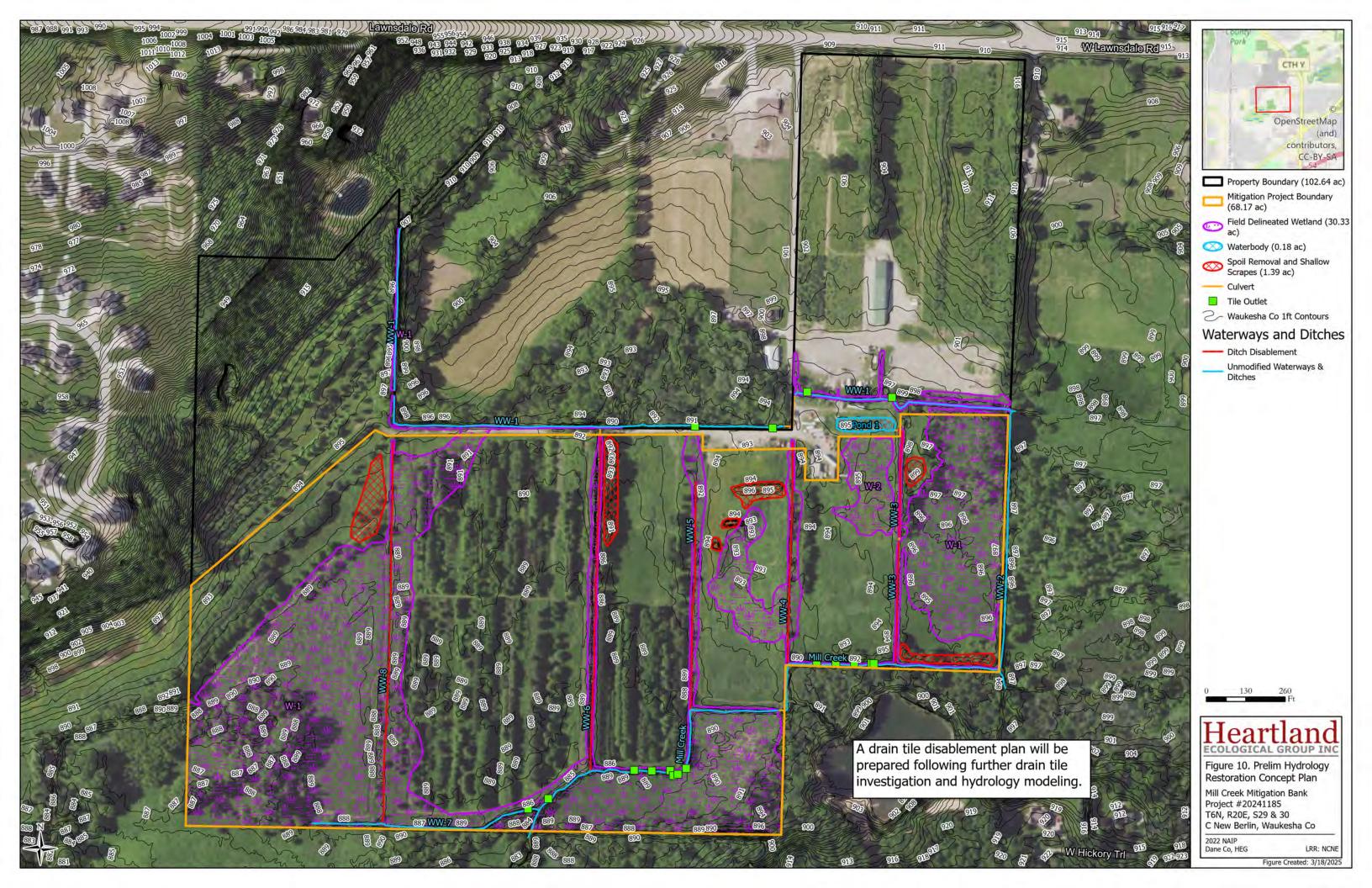
















# Appendix B | Bordner Survey

Solutions for people, projects, and ecological resources.

## WISCONSIN LAND INVENTORY LAND COVER MAP TOWN OF NEW BERLIN T6 N.R.20 E. WAUKESHA COUNTY URBAN CALHOUN AREA DI 14 14 7. c of DI 9-15 c Al 9-12 CFF ALTER. L c C DI 9-12 30 Approximate **Project Location** LEGENO LAND COVER - ROADS -CLEARED CROP LAND POPPLE WITH WHITE I HIPERROR C. I MODININ' MINE FAMASIA SERGE MARSH SERGE MARSH SERGE MARSH SERGE MARSH SERGE MARSH SERGE MARSH DATE PREVIOUS SCHILL OWN DATE - HECKSTOP MACH FINITE BLACK STRUCE BLACK STRUCE DE BALLAND DE LEATHER LEAF DE RECEIT BURN DE RECEIT BURN DE RECEIT BURN DE PART AN WEEDY PEAT AN WEEDY FEAT AN CHARGENEY MARSH PERMANENT MASTURE PERMANENT M FEDERAL HICHWAY TATE HICHWIN A COUNTY HIC 5 HARD SURFACED ROAD IMPROVED GRAVEL ROAD UNRAPPROVED GRAVEL RO IMPROVED DIRT ROAD UNICEPROVED DIRT ROAD 0035 \*\*\*\*\*\*\*\* UNIMPROVED DIRT IN TRAIL DRIVABLE FIRE LANE HON-DRIVABLE FIRE TELEPHONE LINE MOWER LINE MOWER LINE AANDONED MAILROAD AANDONED MAILROAD errectoriora HOTEL SAW MILE MISCELLANEOUS SYMBOLS - WOODED APEAS DENSITY OF STAND DIAMETER CLASSES MOICATES NO OF HOUSES IN MATTY OF STAND KATED BY THE LINE OR BLOW THE DIAMETER ONE LINE - GOOD STAND THE LINES-MEDIAM STAND DIREC LINES-MOOR STAND TOUR TOURS-MOOR STAND MOMERIES CAGASES MINICALS 03,3-8-ETC MACEO AFTER A THINGER SYMMOL (DIS 02) INDICATES IN INCHES THE ANCHACCESS THE ANCHACCESS THE ANCHACCESS THOSE (4 & FT) WITHIN A GIVEN COVER AREA. INDICATES THE MANBER OF FEET



# Appendix C | Historic Aerial Imagery





# 1941 Aerial Photo



#### Legend

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General Common Element

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SimultaneousConveyance

Assessor Plat

CSM

Condominium

Subdivision

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PL-Meander\_Line

PL-Note

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Railroad\_2K

586.52 Feet

The information and depictions herein are for informational purposes and Waukesha County specifically disclaims accuracy in this reproduction and specifically admonishes and advises that if specific and precise accuracy is required, the same should be determined by procurement of certified maps, surveys, plats, Flood Insurance Studies, or other official means. Waukesha County will not be responsible for any damages which result from third party use of the information and depictions herein, or for use which ignores this warning.

Notes:

Printed: 2/21/2025







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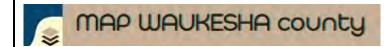
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The information and depictions herein are for informational purposes and Waukesha County specifically disclaims accuracy in this reproduction and specifically admonishes and advises that if specific and precise accuracy is required, the same should be determined by procurement of certified maps, surveys, plats, Flood Insurance Studies, or other official means. Waukesha County will not be responsible for any damages which result from third party use of the information and depictions herein, or for use which ignores this warning.

Notes:







### Legend

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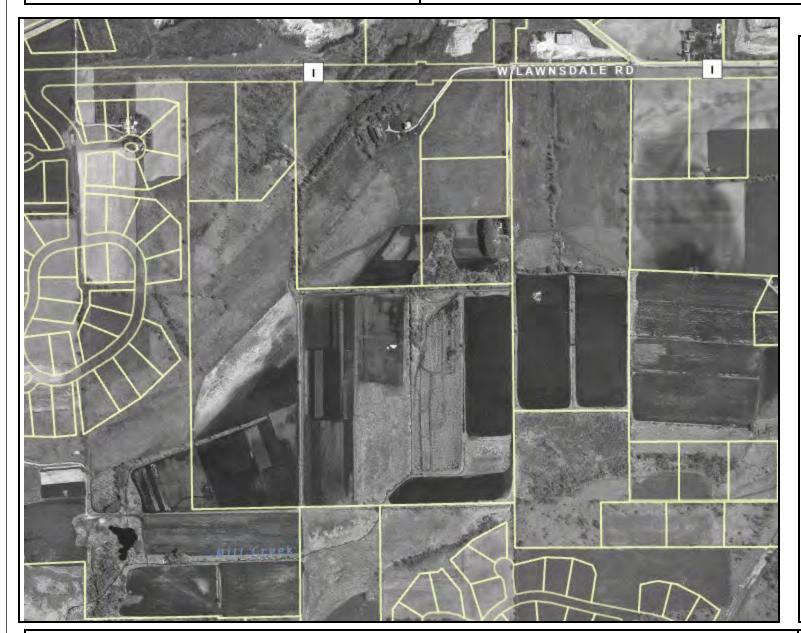
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Notes:







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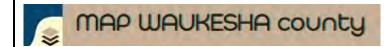
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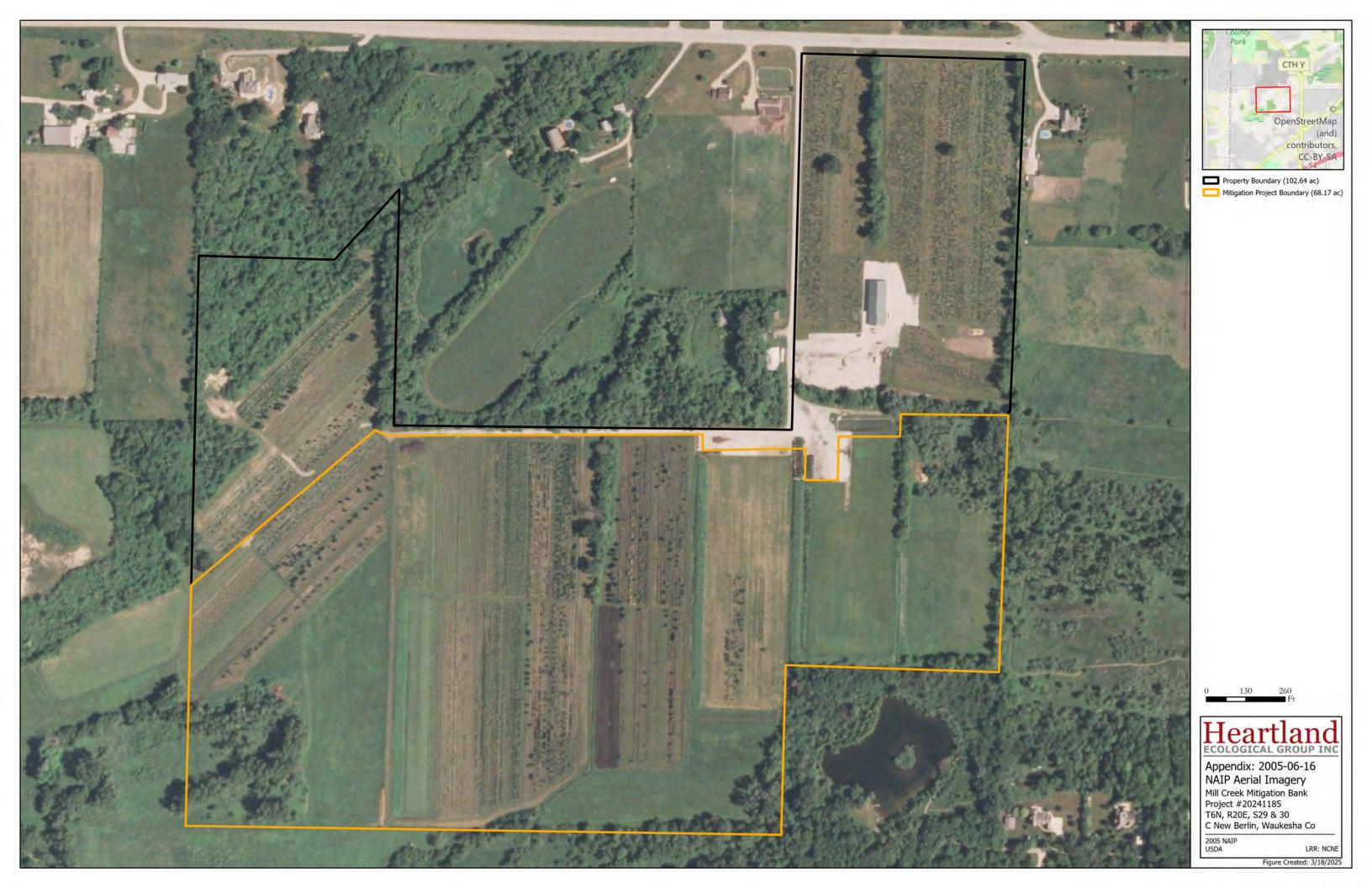
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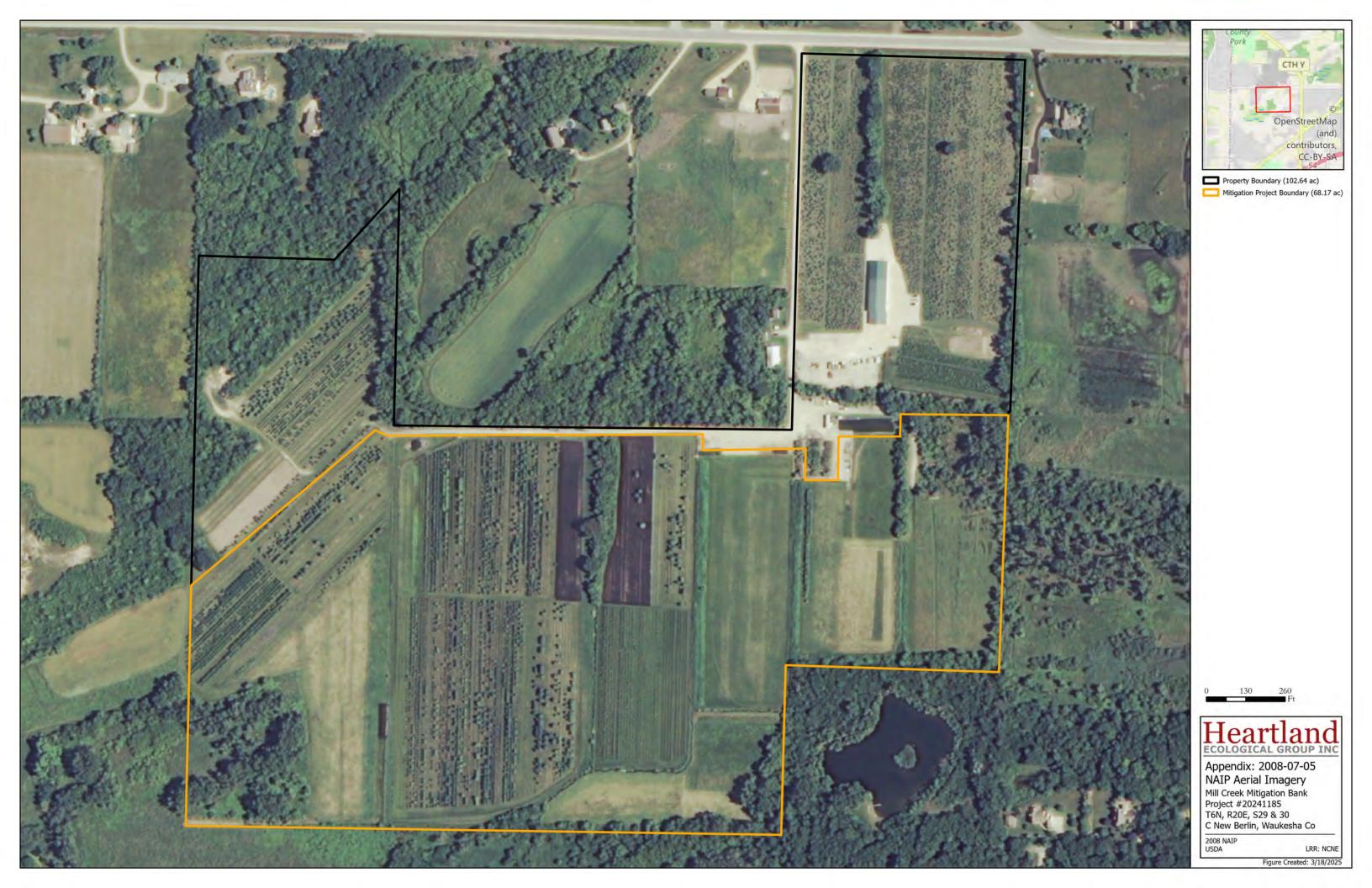
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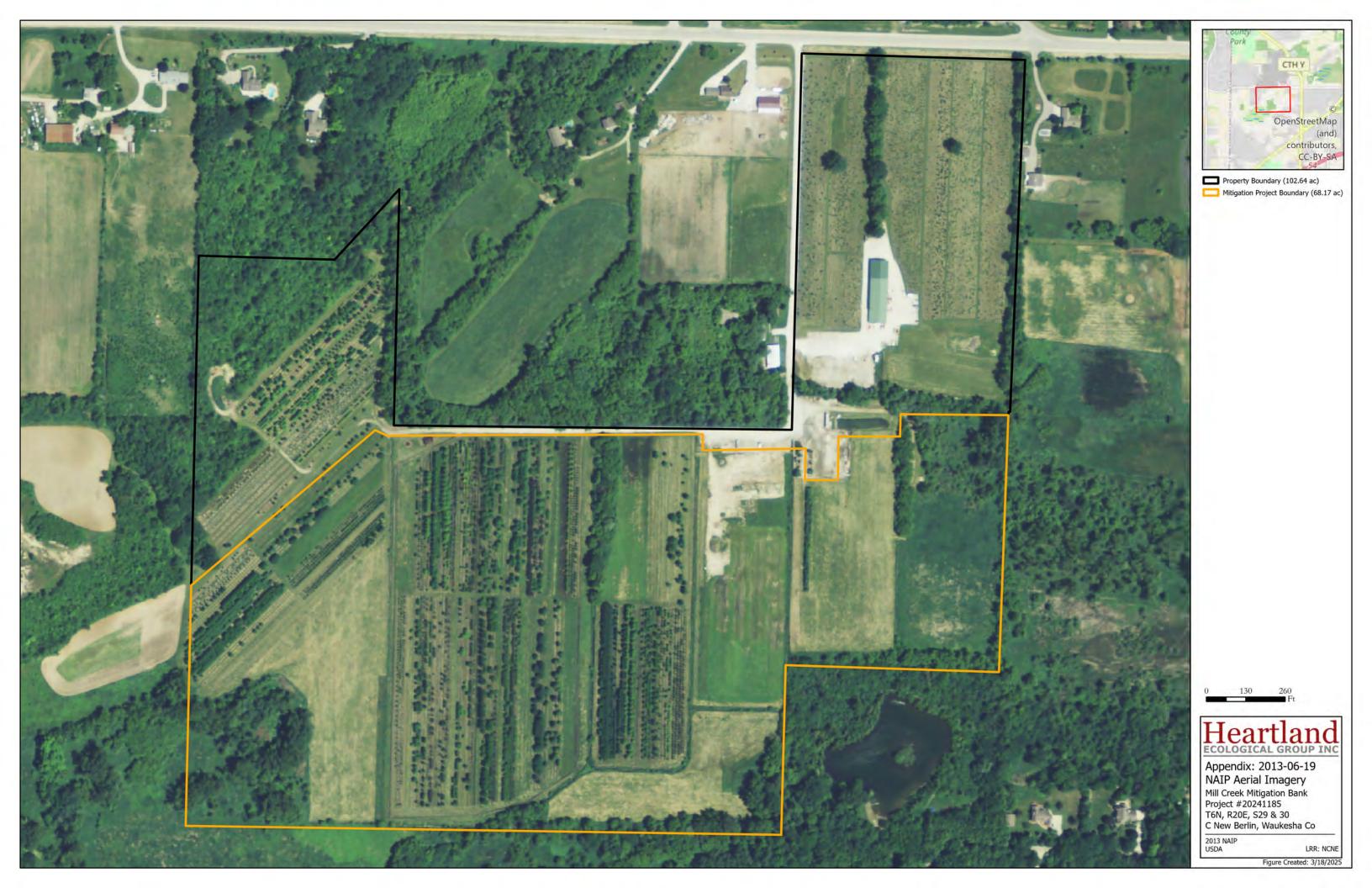


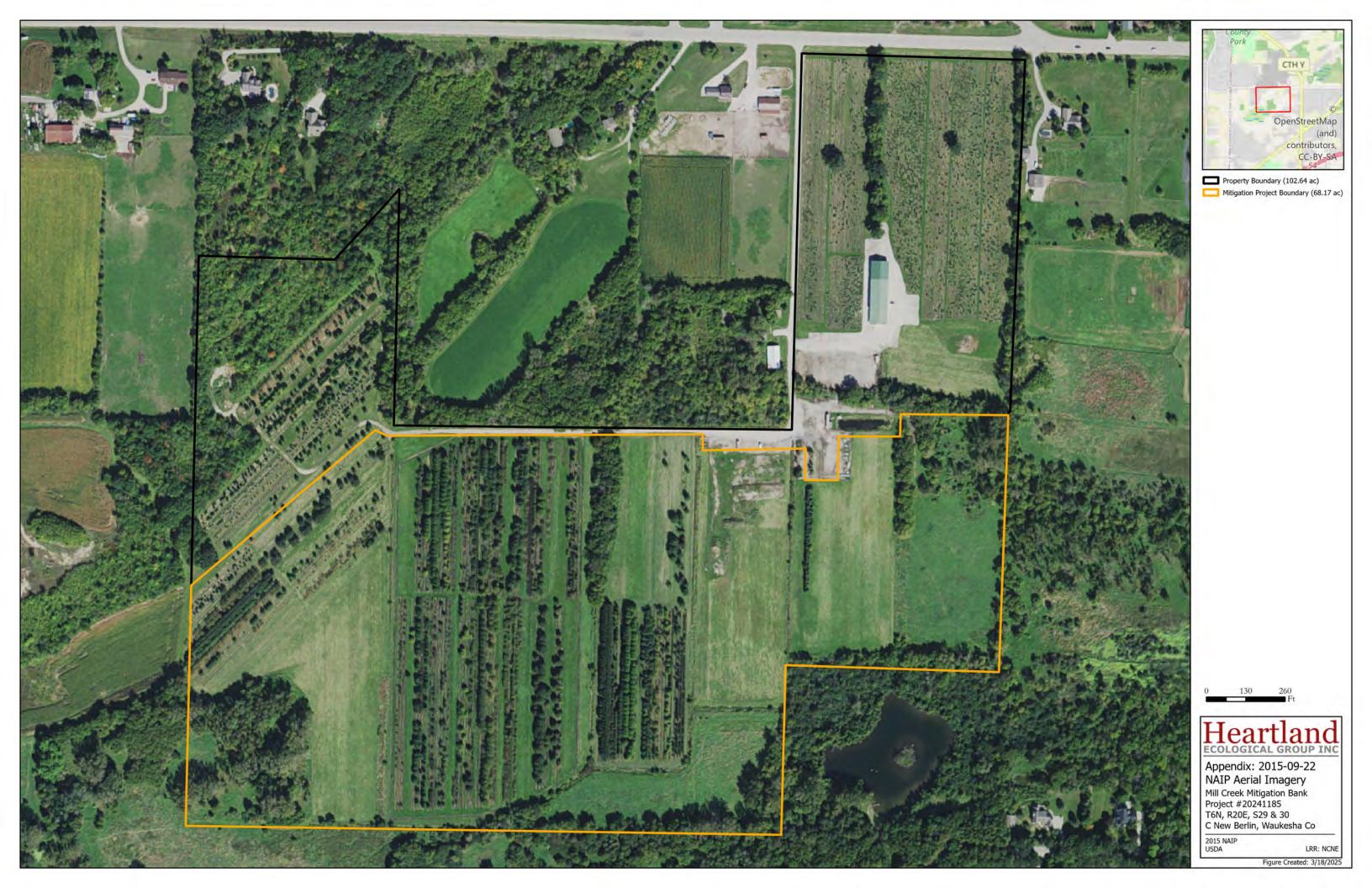


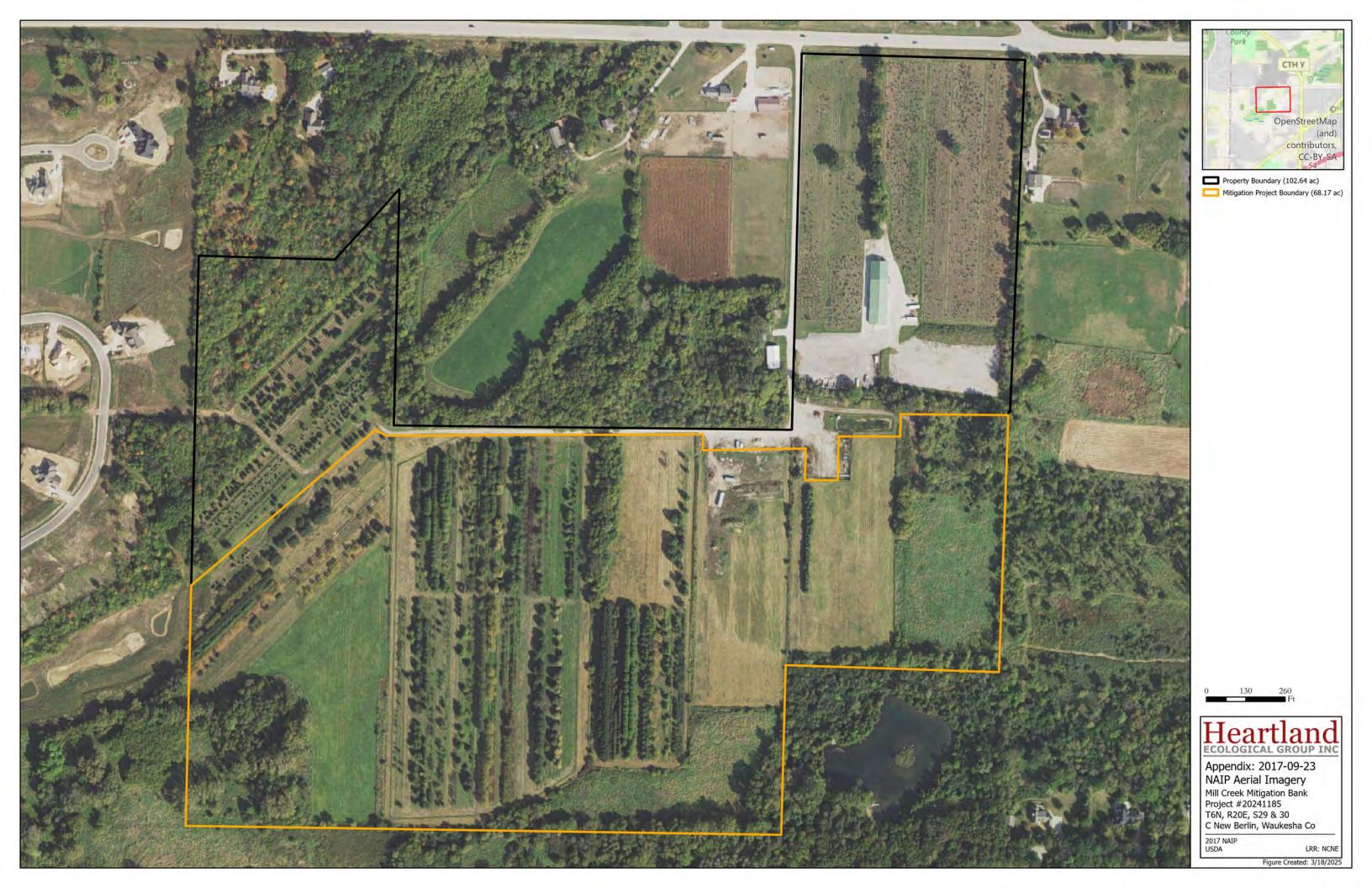


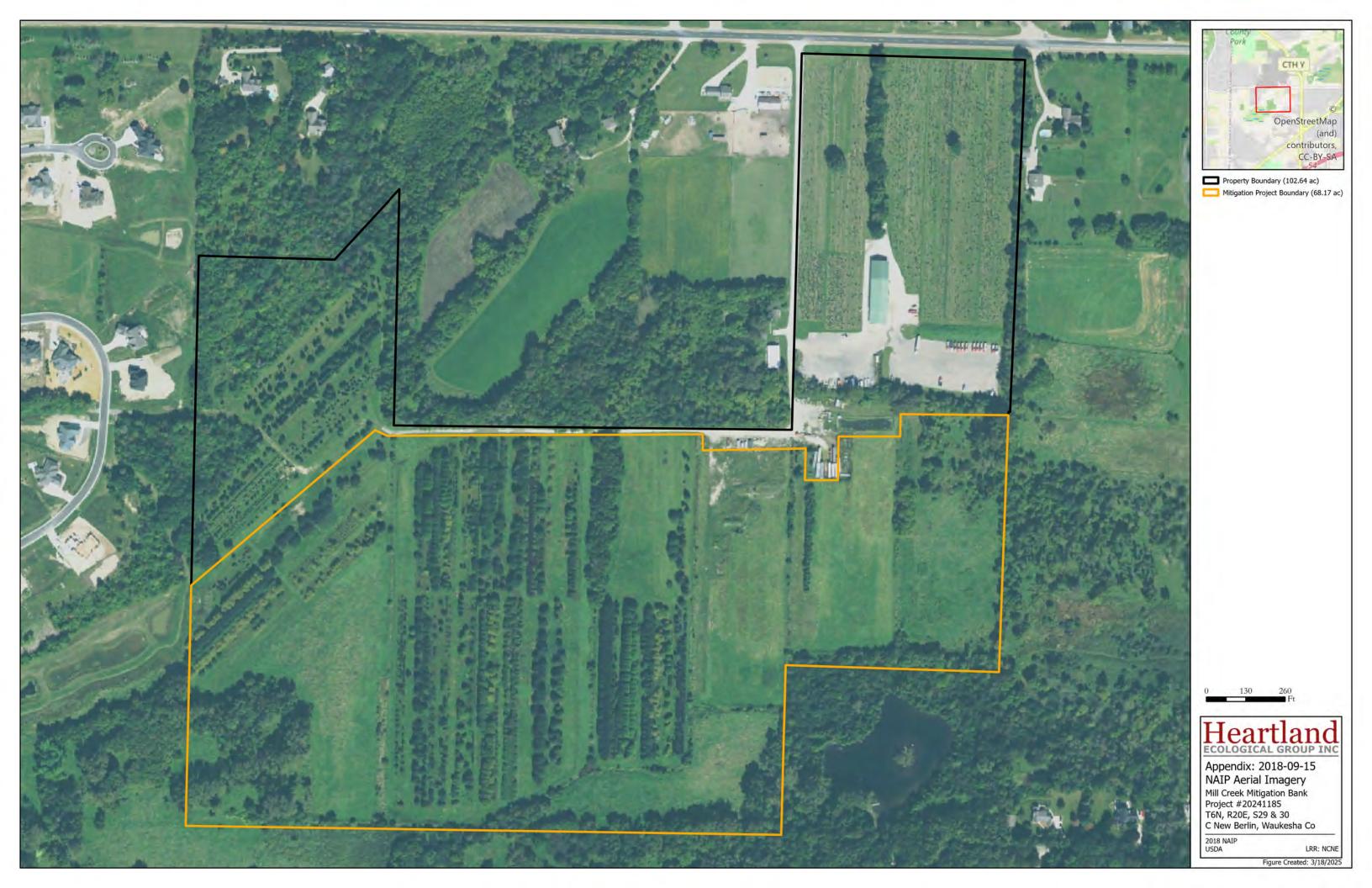


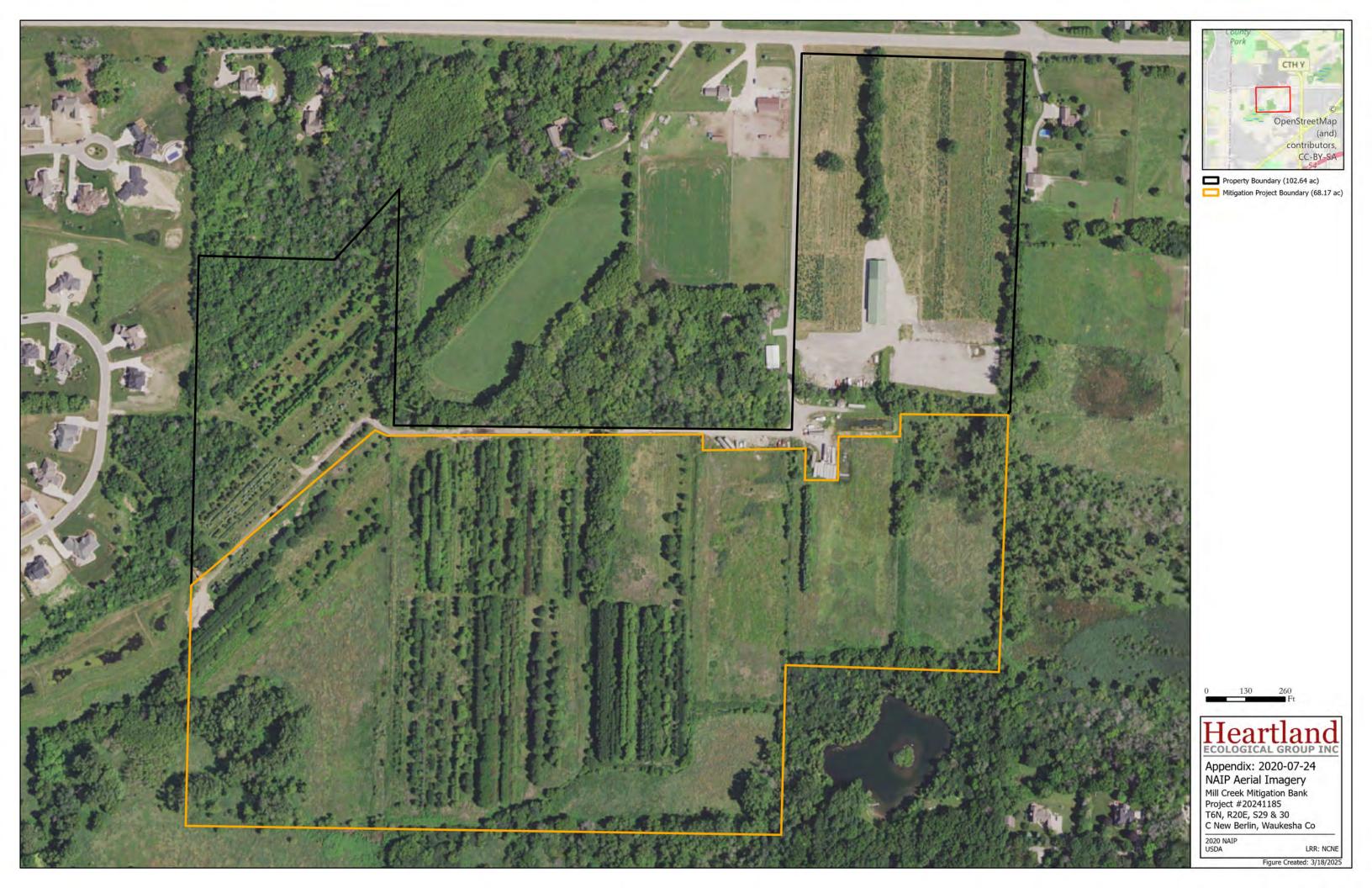
















# Appendix D | Title and Easements





### COMMITMENT FOR TITLE INSURANCE Schedule A

File #: 2247147 Revision: 2247147

Completed on: 11/29/2023 08:55 AM Last Revised on: 11/29/23 08:55 AM

Printed on: 11/29/2023 08:55 AM Title Contact: Ann Myers (ann@knightbarry.com)

Closing Contact: Elizabeth Rose Garry (elizabeth@knightbarry.com)

Knight Barry Title, Inc. 201 E. Pittsburgh Avenue, Suite 200 Milwaukee, WI 53204 (414)727-4545 Fax: (414)755-7186

**COMMITMENT DATE** 

November 10, 2023 at 08:00 AM

1. POLICY TO BE ISSUED

**ALTA OWNERS POLICY (07/01/21)** 

Proposed Amount of Insurance: \$900,000.00

(the buyer)

(the owner)

(the purchase price)

Proposed Insured: Workman Investments LLC, a Wisconsin limited liability company

2. TITLE TO THE FEE SIMPLE ESTATE OR INTEREST IN THE LAND IS AT THE COMMITMENT DATE VESTED IN

BSIT Nursery, LLC, a Wisconsin limited liability company

3. THE LAND IS DESCRIBED AS FOLLOWS

See "Exhibit A" attached.

(the legal description)



# COMMITMENT FOR TITLE INSURANCE Schedule B, Part 1 REQUIREMENTS

File #: 2247147 Revision: 2247147

Knight Barry Title, Inc. 201 E. Pittsburgh Avenue, Suite 200 Milwaukee, WI 53204 (414)727-4545 Fax: (414)755-7186 Completed on: 11/29/2023 08:55 AM Last Revised on: 11/29/23 08:55 AM Printed on: 11/29/2023 08:55 AM

Title Contact: Ann Myers (ann@knightbarry.com)

Closing Contact: Elizabeth Rose Garry (elizabeth@knightbarry.com)

### All of the following Requirements must be met:

- The Proposed Insured must notify the Company in writing of the name of any party not referred to in this Commitment who will obtain an interest in the Land or who will make a loan on the Land. The Company may then make additional Requirements or Exceptions.
- 2. Pay the agreed amount for the estate or interest to be insured.
- 3. Pay the premiums, fees, and charges for the Policy to the Company.
- 4. Documents satisfactory to the Company that convey the Title or create the Mortgage to be insured, or both, must be properly authorized, executed, delivered, and recorded in the Public Records.
- 5. Deed from BSIT Nursery, LLC, a Wisconsin limited liability company, to Workman Investments LLC, a Wisconsin limited liability company.
  - FURTHER the Company must be supplied with the Wisconsin Electronic Real Estate Transfer Return as required by Section 77.22, Wis. Stats.
- 6. Because BSIT Nursery, LLC, a Wisconsin limited liability company ("LLC") is not a natural person, the Company requires the following documents:
  - i. Operating Agreement of the LLC and all amendments thereto.
  - ii. If the LLC is a member-managed limited liability company, resolutions adopted by all of the members of the LLC approving the conveyance and naming the person, and the person's capacity, authorized to execute the Deed.
  - iii. If the LLC is a manager-managed limited liability company, resolutions adopted by all of the managers of the LLC approving the conveyance and naming the person, and the person's capacity, authorized to execute the Deed.

Upon receipt and examination of the above the Company may modify these requirements to satisfy the Company that the appropriate person(s) is/are executing the Deed for the limited purpose of issuance of the policy(ies) contemplated by this Commitment.



# COMMITMENT FOR TITLE INSURANCE Schedule B, Part 2 EXCEPTIONS

Completed on: 11/29/2023 08:55 AM Last Revised on: 11/29/23 08:55 AM

Printed on: 11/29/2023 08:55 AM Title Contact: Ann Myers (ann@knightbarry.com)

File #: 2247147 Revision: 2247147

Closing Contact: Elizabeth Rose Garry (elizabeth@knightbarry.com)

Knight Barry Title, Inc. 201 E. Pittsburgh Avenue, Suite 200 Milwaukee, WI 53204 (414)727-4545 Fax: (414)755-7186

Some historical land records contain Discriminatory Covenants that are illegal and unenforceable by law. This Commitment and the Policy treat any Discriminatory Covenant in a document referenced in Schedule B as if each Discriminatory Covenant is redacted, repudiated, removed, and not republished or recirculated. Only the remaining provisions of the document will be excepted from coverage.

The Policy will not insure against loss or damage resulting from the terms and conditions of any lease or easement identified in Schedule A, and will include the following Exceptions unless cleared to the satisfaction of the Company:

- 1. Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date, as set forth on the Commitment for Title Insurance, and the Date of Policy, as set forth on the Policy.
- 2. Special assessments, special taxes or special charges, if any, payable with the taxes levied or to be levied for the current and subsequent years.
- 3. Liens, hook-up charges or fees, deferred charges, reserve capacity assessments, impact fees, or other charges or fees and due payable on the development or improvement of the Land, whether assessed or charged before or after the Date of the Policy.
- 4. Any lien, or right to a lien, for services, labor, or material heretofore or hereafter furnished, imposed by law and not shown by the Public Records.
- 5. Rights or claims of parties in possession not shown by the Public Records.
- 6. Any encroachments, encumbrance, violation, variation, or adverse circumstance affecting Title that would be disclosed by an accurate and complete land survey of the Land.
- 7. Easements or claims of easements not shown by the Public Records.
- 8. Any claim of adverse possession or prescriptive easement.
- 9. General Taxes for the year 2023 and subsequent years, not yet due or payable. In the event that the transaction to be insured under this Commitment occurs in December of 2023 or later, then please contact the Company for an update as to the status of taxes. Failure to do so will result in the following appearing as an exception on the final title insurance policy to be issued pursuant to this Commitment: "General Taxes for the year 2023 and subsequent years."
- 10. Public or private rights, if any, in such portion of the Land as may be presently used, laid out, or dedicated in any manner whatsoever, for street, highway and/or alley purposes. (Parcels A and B)

This page is only a part of the 2021 ALTA Commitment for Title Insurance underwritten by First American Title Insurance Company. This Commitment is not valid without the Notice, the Commitment to Issue Policy and the Commitment Conditions (located at <a href="https://www.knightbarry.com/cover/fa/21">https://www.knightbarry.com/cover/fa/21</a>); Schedule A; Schedule B, Part 1 Requirements; and Schedule B, Part 2 Exceptions. *All italicized words in this Commitment are for informational purposes only and for the convenience of the reader and are not part of the ALTA Commitment form.* 



# COMMITMENT FOR TITLE INSURANCE Schedule B, Part 2 EXCEPTIONS

Revision: 2247147

File #: 2247147

Knight Barry Title, Inc. 201 E. Pittsburgh Avenue, Suite 200 Milwaukee, WI 53204 (414)727-4545 Fax: (414)755-7186 Completed on: 11/29/2023 08:55 AM Last Revised on: 11/29/23 08:55 AM Printed on: 11/29/2023 08:55 AM

Title Contact: Ann Myers (ann@knightbarry.com)

Closing Contact: Elizabeth Rose Garry (elizabeth@knightbarry.com)

- 11. Rights of the public in any portion of the Land lying below the ordinary high water mark of Mill Creek, and rights of the government to regulate the use of the shore and riparian rights. This Commitment and/or Policy does not insure the exact location of any portion of the Land created by gradual buildup of the shore (accretion) or the lowering of the water level (reliction), or the title to land cut off by a change in the course of the water body (avulsion), or to artificially filled land. (Parcels A and B)
- 12. Drainage rights and rights of way by reason of any drainage ditches, feeders, laterals and underground drain tile or pipes that may be located on the Land. (Parcels A and B)
- 13. Easement and other matters contained in the instrument recorded March 3, 1949 as Document No. <u>323344</u>. (Parcel A)
- 14. Easement and other matters contained in the instrument recorded June 20, 1949 as Document No. <u>326678</u>. (Parcel A)
- 15. Hold Harmless Agreement and other matters contained in the instrument recorded September 15, 2000 as Document No. <u>2590916</u>. (Parcel A)
- 16. Utility Easement granted to Wisconsin Electric Power Company and other matters contained in the instrument recorded October 8, 1945 as Document No. <u>278295</u>. (Parcel B)
- 17. Utility Easement granted to Wisconsin Electric Power Company and other matters contained in the instrument recorded October 8, 1945 as Document No. 278296. (Parcel B)
- 18. Utility Easement granted to Wisconsin Electric Power Company and other matters contained in the instrument recorded November 24, 1948 as Document No. 320608. (Parcel B)
- 19. Mortgage from BSIT Nursery, LLC, a Wisconsin limited liability company to Home Federal Savings Bank in the amount of \$500,000.00 dated May 22, 2018 and recorded May 24, 2018 as Document No. <u>4340833</u>. (Parcels A and B)
- 20. Assignment of Rents from BSIT Nursery, LLC, a Wisconsin limited liability company to Home Federal Savings Bank recorded May 24, 2018 as Document No. 4340834. (Parcels A and B)
- 21. Access to Parcel B of the Land is provided through Parcel A. If ownership of these parcels is severed in the future, Parcel B will not have access unless an easement is granted. If no easement is granted for the benefit of Parcel B, access to Parcel B cannot be insured.
- 22. Possible lien or reassessment pursuant to Wisconsin Statutes for conversion of the land use from agricultural. (Parcels A and B)

This page is only a part of the 2021 ALTA Commitment for Title Insurance underwritten by First American Title Insurance Company. This Commitment is not valid without the Notice, the Commitment to Issue Policy and the Commitment Conditions (located at <a href="https://www.knightbarry.com/cover/fa/21">https://www.knightbarry.com/cover/fa/21</a>); Schedule A; Schedule B, Part 1 Requirements; and Schedule B, Part 2 Exceptions. *All italicized words in this Commitment are for informational purposes only and for the convenience of the reader and are not part of the ALTA Commitment form.* 



# COMMITMENT FOR TITLE INSURANCE Schedule B, Part 2 EXCEPTIONS

File #: 2247147 Revision: 2247147

Knight Barry Title, Inc. 201 E. Pittsburgh Avenue, Suite 200 Milwaukee, WI 53204 (414)727-4545 Fax: (414)755-7186 Completed on: 11/29/2023 08:55 AM Last Revised on: 11/29/23 08:55 AM Printed on: 11/29/2023 08:55 AM

Title Contact: Ann Myers (ann@knightbarry.com)

Closing Contact: Elizabeth Rose Garry (elizabeth@knightbarry.com)

23. Possible lien or reassessment pursuant to Wisconsin Statutes for conversion of the land from productive forest land. (Parcel B)

### **FOOTNOTES**

THIS IS FOR INFORMATIONAL PURPOSES ONLY: NOTHING NOTED IN THIS SECTION WILL APPEAR ON THE POLICY.

- a. Taxes for the Year 2022 in the amount of \$3,325.15, and all prior years are paid. (Parcel A)
- b. Taxes for the Year 2022 in the amount of \$412.60, and all prior years are paid. (Parcel B)
- c. Warranty Deed recorded May 24, 2018, as Document No. 4340832 is enclosed for reference.



# COMMITMENT FOR TITLE INSURANCE EXHIBIT A

File #: 2247147 Revision: 2247147

Completed on: 11/29/2023 08:55 AM Last Revised on: 11/29/23 08:55 AM Printed on: 11/29/2023 08:56 AM

Title Contact: Ann Myers (ann@knightbarry.com)

Closing Contact: Elizabeth Rose Garry (elizabeth@knightbarry.com)

Knight Barry Title, Inc. 201 E. Pittsburgh Avenue, Suite 200 Milwaukee, WI 53204 (414)727-4545 Fax: (414)755-7186

### PARCEL A:

All that part of the Northwest 1/4 of Section 29, Township 6 North, Range 20 East, in the City of New Berlin, County of Waukesha, State of Wisconsin, bounded and described as follows:

Commencing at the Northwest corner of the Northwest 1/4 of Section 29; thence South 0°32'58" East along the West line of said Northwest 1/4, 92.77 feet to the place of beginning of the lands herein to be described; thence South 0°32'58" East along said West line 2010.98 feet to the Northwest corner of George Leiber's land described in Volume 21 of Deeds on Page 316; thence North 88°58'50" East 704.00 feet along the North line of said George Leiber's land; thence North 0°03'10" East 2003.16 feet to a point on the South line of Lawnsdale Road (C.T.H. "I"); thence South 89°37'17" West along said South line 725.04 feet to the place of beginning. ALSO

The East 1-1/2 rods of lands of the Northeast 1/4 of the Northeast 1/4 of Section 30, Township 6 North, Range 20 East, in the City of New Berlin, County of Waukesha, State of Wisconsin. EXCEPT the part conveyed to the City of New Berlin dated September 30, 1976 and recorded October 7, 1976, on Reel 203, Image 706, as Document No. 970133.

#### PARCEL B:

All that part of the East 1/2 of the Northwest 1/4 of the Northeast 1/4 of Section 30, Township 6 North, Range 20 East, in the City of New Berlin, County of Waukesha, State of Wisconsin, bounded and described as follows:

Commencing at the Northwest corner of the Northeast 1/4 of Section 30; thence North 88°25'11" East along the North line of said Northeast 1/4, 659.72 feet to the Northwest corner of the East 1/2 of the Northwest 1/4 of the Northeast 1/4; thence South 0°44'30" East along the West line of said East 1/2 of the Northwest 1/4 of the Northeast 1/4, 51.26 feet to the place of beginning of the lands to be described; thence South 0°44'30" East along said West line 1279.715 feet; thence North 43°36'35" East, 942.56 feet to a point on the East line of said East 1/2 of the Northwest 1/4 of the Northeast 1/4; thence North 0°40'39" West along said East line, 601.54 feet to a point on the South line of Lawnsdale Road (C.T.H. "I"); thence South 89°37'17" West along said South line, 659.59 feet to the place of beginning.

EXCEPT all of Certified Survey Map No. 8639 recorded as Document No. 2369091.

**ALSO** 

All that part of the West 1/2 of the Northeast 1/4 of Section 30, Township 6 North, Range 20 East, in the City of New Berlin, County of Waukesha, State of Wisconsin, bounded and described as follows:

Beginning at the Southwest corner of the Northeast 1/4 of Section 30; thence North 88°49'08" East along the South line of said Northeast 1/4, 1313.345 feet; thence North 0°40'39" West along the East line of the West 1/2 of the Northeast 1/4, 1999.927 feet; thence South 43°36'35" West, 942.56 feet to the Northeast corner of the Northwest 1/4 of the Southwest 1/4 of said Northeast 1/4; thence South 0°44'30" East along the East line of said Northwest 1/4 of the Southwest 1/4, 465.416 feet; thence South 57°32'04" West, 772.609 feet to a point on the West line of said Northeast 1/4; thence South 0°48'23" East along said West line, 464.333 feet to the place of beginning.

EXCEPTING THEREFROM that part set forth in Warranty Deed dated December 28, 1984 and recorded December 31, 1984, on Reel 649, Image 492, as Document No. 1282313.

**ALSO** 

The Southeast 1/4 of the Northeast 1/4 of Section 30, Township 6 North, Range 20 East, in the City of New Berlin, County of Waukesha. State of Wisconsin.

For informational purposes only:

Property Address: 20203 West Lawnsdale Road, New Berlin, WI 53146 Tax Key Number: NBC 1266.995 (Parcel A) and NBC 1269.997 (Parcel B)

This page is only a part of the 2021 ALTA Commitment for Title Insurance underwritten by First American Title Insurance Company. This Commitment is not valid without the Notice, the Commitment to Issue Policy and the Commitment Conditions (located at <a href="https://www.knightbarry.com/cover/fa/21">https://www.knightbarry.com/cover/fa/21</a>); Schedule B, Part 1 Requirements; and Schedule B, Part 2 Exceptions. *All italicized words in this Commitment are for informational purposes only and for the convenience of the reader and are not part of the ALTA Commitment form.* 

### Issued by Knight Barry Title, Inc., agent for FIRST AMERICAN TITLE INSURANCE COMPANY



File Number: 2247147 Attached to Policy No.:

Notwithstanding the provisions of Paragraph 1 of Schedule B, Part 2 of the commitment, policies issued or issuable within 30 days from the effective date hereof shall not contain as exceptions matters arising subsequent to the effective date of this commitment unless:

- 1. The Company discloses such matters prior to the closing to the person for whom this commitment is prepared; or
- 2. The conveyance to the Insured is by a grantor who does not warrant title; or
- 3. The proposed insured or his counsel fails to notify the Company of closing at least three business days prior to the closing; or
- 4. The conveyance documents, in recordable form, are not made available or delivered to the Company or recorded within two business days after the closing; or
- 5. The seller or sellers fail to execute a personal undertaking and indemnity in favor of the Company regarding matters which may appear in the public records after the effective date of this commitment, in a form acceptable to the Company.

This endorsement is issued as part of the policy. Except as it expressly states, it does not (i) modify any of the terms and provisions of the policy, (ii) modify any prior endorsements, (iii) extend the Date of Policy or (iv) increase the Amount of Insurance. To the extent a provision of the policy or a previous endorsement is inconsistent with an express provision of this endorsement, this endorsement controls. Otherwise, this endorsement is subject to all of the terms and provisions of the policy and of any prior endorsements.

Date: November 10, 2023

Ann Myers

Knight Barry Title, Inc.

FIRST AMERICAN TITLE INSURANCE COMPANY

Ray E. Myers

278295 v

La Contractor Explana

Ak 0 Vol. 382

Page 279

Harvey Grober and Charles Grober

ne has and the

Latary Fublic,

Grant and our of to a very Dated price Aug., 22, 1945 Recorded Oct. 8, 1945

10:00 A.M.

### WISCONSIN ELECTRIC POWER COMPANY

\$1.00

Grants the right, permission and authority to construct, erect and maintain a line of poles together with the necessary anchors, guy wires and brace poles, and to string and maintain wires thereon for the purpose of supplying light, heat, power and signals, or for such other purpose as electric current is now or may hereafter be used upon over and across our premises in the North east quarter of Section Thirty (30), Town Six (6) North; Range Twenty (20) East Town of New Berlin, Waukesha County, Wisconsin er residual a this and amount of the in the event the underand it took and agen of this the erthre egreement of the par-

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ROK

2. Test of interiorated one of make reported to eath line when also to trim and keep trimmed all trees along the line/upon our said premises so that they will clear wires strung not less than 18 feet above ground, by, as much as 5 feet, and so that, the trees will not be po-(OVOT)

liable to interfere with the transmission of electricity, over said line.

bronder to turn that will state with a contact to line then 19 that and permission is also granted said Company to enter upon said premises to do the work contemplated and to make repairs to said line when necessary.

It is understood and agreed that the entire agreement of the parties is contained in this instrument and that in the event the undersigned seeks to secure electric service from said line, such service will be rendered upon the completion and electrification of said line if required by, and then only under the conditions of the Company's rules and regulations and at the Company's authorized rates.

State of Wisconsin)

Milwaukee County) as proper me this 22nd day of August a factor of the large of the above named Harvey Grober and Charles Grober both single

to me known to be the personswho executed the foregoing; instrument and acknowledged the same.

Seal.

John F. Mieller Notary Public.

Seal. Withesses.

John F. Mueller, Notary Fublic,
Milwaukee Co., Wisnor.
My Commission Expires 6/6/48

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(mc-23)

W. 'G. Wapp and Ruth, F. 1000

F'IS Vol. 382 Page 281 Hoser

Τo

Grant \$1.00 Dated Aug. 30, 1945 Recorded Oct.

WISCONSIN ELECTRIC FOWER COMPANY

Grants the fright, permission and authority to construct, erect and maintain a Tine of poles together with the necessary anchors, guy wires and brace poles and to string and maintain wires thereon for the purpose of supplying light; heat, power, and signals, or for such other purpose as electric current (is now for may hereafter be used) upons and along that certain highway known as Private Road upon which our land abuts and upon over and across our premises in the Northeast quarter of Section, Thirty over and across our premises in the (20) East (Town of New Berling (30) Town Six (6), North, Range Twenty (20) East (Town of New Berling Wankesha County Wise A the number of the county Mankeshy Constain Mis. 1 and Frond that the cation of the parmeter than the cation of the ca

where a complete a and the make that the to a delive bean i the brack with Company of said highway andwalso to trim and keep trimmed all trees along the line/upon our said premises so that they will clear wires strung not less than 18 feet above ground by as much as 5 feet, and so that the trees will not be us.

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liable to interfere with the transmission of electricity over said pline. Hearth ker tring a 11 frees abong the line upon

Permission is also granted said Company to enter upon said premises to do the work contemplated and to make repairs to said line when necessary.

It is understood and agreed that the entire agreement of the parties is contained in this instrument and that in the event the undersigned seeks to secure electric service from said line, such service will be rendered upon the completion and electrification of said line will be rendered upon the completion and electrification of the Company's if required by and then only under the conditions of the Company's authorized rates.

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The required by a said the completion and electrifications of the Company's authorized rates. Brate of Miccousin) pel a hogeliera vita abe neces any anabora, gay wares Personally came before me this Sistifday of August. The mind sug 1945 the above named W. G. Wapp and Ruth F. Wapp, his wife Waukesha

\$1,CO

Regorded

to me known to be the personswho executed the foregoing instrument and acknowledged the same. Notary Public. Faco A. H. Frank, Waukesha Co., Wis. My Commission Expires 11/9/47 Beal. 2 Witnesses. (mc-23)

To

482 Deeds 350

D Oct. 30, 1948 Nov. 24, 1948 2:06 P.M. A Oct. 30, 1948

81117+

WISCONSIN ELECTRIC POWER COMPANY

Grant

\$1.00

Grants the right, permission and authority to construct, erect and maintain a line of poles together with the necessary anchors guy wires and brace poles and to string and maintain wires thereon for the purpose of supplying light, heat, power and signals, or for such other purpose as electric, current is now or may hereafter be used upon along over and across our premises in the Northeast One Quarter (NE4) of Section numbered Thirty (30) Township numbered Six (6) North of Range numbered Twenty (20) East, Town of New Berlin, Waukesha County, Wisconsin

320608

(over)

also to trim and keep trimmed all trees along the line upon our said premises so that they will clear wires strung not less than 18 feet above ground by as much as 5 feet, and so that the trees will not be liable to interfere with the transmission of electricity over said line.

Permission is also granted said Company to enter upon said premises to do the work contemplated and to make repairs to said line when necessary.

It is understood and agreed that the entire agreement of the parties is contained in this instrument and that in the event the undersigned seeks to secure electric service from said line, such service will be rendered upon the completion and electrification of said line if required by, and then only under the conditions of the Company's rules and regulations and at the Company's authorized rates.

(jmw-22)

14.5

This indenture, Made this 2nd day March A.D. 19 49 between WILLARD C. WAPP and RUTH WAPP as his wife, and also in her own right.  LEONARD C. SHACKELFORD and REGINA SHACKELFORD, husband and wife, jointly, and to the survivor of them,
between WILLARD G. WAPP and RUTH WAPP as his wife, and also in her own right.  LFONARD G. SHACKELFORD and REGINA SHACKELFORD, husband and wife, jointly,
between WILLARD G. WAPP and ROTH WAPP, as his wife, and also in her own right.  LEONARD G. SHACKELFORD and REGINA SHACKELFORD, husband and wife, jointly,
LEONARD C. SHACKELFORD and REGINA SHACKELFORD, husband and wife, jointly,
Disabered resemble and the representation of the second se
witnessers, that the said part less the first part, for and in consideration of the sum of
A PRIOR DAY WATER PROPRIET PROPRIET PROPRIET
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to them in hand paid by the said part. 199of the second part, the receipt whereof is hereby contessed and acknow-
lodged, ha. W. given, granted, bargained, sold, reputsed; followed, allened, conveyed and confirmed, and by these presents
do give, grant, bargain, soil, remiss, release, alian, convey and condrm unite the said part. 1e.5t the second part.
the i.r. heirs and essigns forever, the following described real estate altuated in the County of Wanke sha
The following described property situated in Section Thirty (20), Town Six (6) North, of Range Twenty (20) Fast, Town of New Berlin,
Waukesha County, Wisconsin, to-wit:
Commencing at the Southeast corner of the Northeast Quarter of the
1. Northeast Quarter (NEt of NEt) of said gartion 40. thomas Names
along the East line of said Section, 25 rods; thence West, parallel to the North line of said Section, 33 rods; thence South, parallel
to Fast line of said Section, 25 rods; thence East along the South
to East line of said Section, 25 rods; thence East along the South line of said Northeast Quarter of the Northeast Quarter of said
Section, 63g rods to the place of beginning. Excepting and reserving therefrom a strip of land one and one-half
(13) rods wide at the East end of said parcel of land.
ALSO an Resement, for the hemofit of cold nemed as love
ALSO an Easement, for the benefit of said parcel of land, as a right of way, over, and upon, the East 12 rods of land of the
A Northeast Guarter of the Northeast Quarter of Section 30. Town
Six North, Range 20 Fast,
Carried Company Company
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CEMPO DEMES
TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging or in any wise apportaining;
and all the estate, right, title, interest, claim or demand whatsoever, of the said part 1.95 of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurten-
1 0.008.
TO HAVE AND TO HOLD the said premises as above described with the hereditaments and appurtenances, unso the said part. 185et the second part, and to
AND THE SAID WILLARD C. WAPP and RUTH WAPP, as his wife, and also in
her own wicht.
their for themselves and administrators, do
part 185 of the second part the 1212
presents they are medical select of the premises above described, as of a good, sure, perfect, absolute and indefeasible
estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances who tover
the state of the s
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peaceable possession of the said pare 1.25of the sectind part. their hairs and assigns, against all and every person or persons lawfully defining the whole or any part thereof, will forever WARRANT AND DEBEND.
Part 200 Cart Control of the Control
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Signed and Shaled in Presence of
CREATA
Colored and Read livel
(Eloise Larsen)
E. M. Junemann)
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-	STATE OF WISCONSIN,	•
	Waukesha county,	
į	Personally dame before me, this 2nd day of March A. D., 10.49.	
	the above named Willard G. Wapp and Ruth Wapp, as his wife, and also in her own right,	
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	to me known to be the person	
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llard G. Wapp and Ruth Wapp, as his wife, and also in her own right

495 Deeds 244

To Easement

\$1.00 etc.

D

May 12, 1949 June 20, 1949

8:15 A.M.

May 12, 1949

Leonard C. Shackelford and Regina Shackelford, husband and wife, jointly, and to the survivor of them

WITNESSETH, that the said parties of the first part, for and in consideration of the sum of One Dollar and other good and valuable consider ationsækxkhexaumxækx@mex@ekkarxandxækharxgændxnndxnakunbknxæmsiderak to them in hand paid by the said parties of the second part, the receipt whereof is hereby confessed and acknowledged, do grant an Easement, only, over the following described real estate situated in the ounty of Waukesha, State of Wisconsin, to-wit:

A strip of land one and a half rods in width off the West side of that part of the South West Quarter of the South West Quarter of Section Twenty (20) in Township number Six (6) North of Range number Twenty (20) East in Waukesha County in Wisconsin that lies South of the highway running across the South West corner of said Section Twenty, said Strip of land commencing in the South West corner of said Section Twenty, and on the South line thereof and thence running North along the West line of said Section Thirty-five rods more or less until it intersects the said road and bounded on the West by the West line of said Section Twenty. (over).

ALSO a parcel of land in the North West corner of Section number Twentyinine (29) in the Town, County, Range and State aforesaid and bounded and described as follows, to-wit: Commencing at the North West corner of said Section Twenty-nine and thence running East on the Section line one and one half
rods, thence South and parallel with the West line of said Section one rods,
thence West and parallel with the North section line one and a half rods to
Section line, thence North on Section line one rod to place of beginning.

Said Easement is for the purpose of traveling to, and from said highway and the following described real estate, said Easement being for the benefit of the following described real estate, and to run with said real estate, to-

wit:

The following described property situated in Section Thirty (30), Town Six (6) North, of Range Twenty (20) East, Town of New Berlin, Waukesha County,

Wisconsin, to-wit:

Commencing at the Southeast corner of the Northeast Quarter of the Northeast Quarter (NE4 of NE4) of Said Section 30; thence North, along the East line of said Section, 25 rods; thence West, parallel to the North line of said Section, 33½ rods; thence South, parallel to the East line of said Section, 25 rods; thence East along the South line of said Northeast Quarter of the Northeast Quarter of said Section, 33½ rods to the place of beginning, Excepting and reserving therefrom a strip of land One and one-half (1½) rods wide at the East end of said parcel of land.

(The aforementioned Easement granted herein is not intended to give the grantees herein the exclusive right to travel the strip of land first herein-before mentioned, but is intended only to give said grantees herein, and those subsequently in privity with them, the right, with the grantors herein, and those subsequently in privity with the grantors herein, to travel over said

rip of land.



SEP 15 00 0 0 0 3 0 3

HOLD HARMLESS AGREEMENT

Document Number

Document Title

HOLDING TANK HOLD HARMLESS AGREEMENT

This Agreement is made and entered into this // day of September, 2000, by and between the City of New Berlin, (hereinafter called the "municipality") and Kaseo

Partnership

(hereinafter called the "owner").

The parties hereto acknowledge that application is being made for the installation of (a) holding tank(s)

on the following described property:

LEGAL DESCRIPTION ATTACHED

1266995
Parcel Identification Number (PIN)

20203 W. LAWNS dALE Rd.

TAX KEY NO. 1266995

ADDRESS New Berlin, WI

or in the alternative, acknowledge that continued use of the existing premises requires that a holding tank be installed on the property for the purpose of proper containment of sewage. The parties also acknowledge that said property cannot now be served by a municipal sewer, any other type of private sewage system as permitted under s. Comm. 83, Wis. Adm. Code, or Chapter 145, Wis. stats., and that the property does not contain an area of soil suitable for any other type of private sewage system as permitted by s. Comm. 83, Wis. Adm. Code.

Therefore, as an inducement to the County of Waukesha to issue a sanitary permit for the above described premises, we hereby agree and bind ourselves and our successors and assigns as, follows:

- 1. Owner agrees to conform to all applicable requirements of s. Comm. 83, Wis. Adm. Code and Section 11.10 of the New Berlin Municipal Code relating to holding tanks. If the owner fails to have the holding tank properly serviced in response to orders issued by the municipality, the municipality may enter upon the property and service the tank or cause to have the tank serviced and charge the owner by placing the charges on the tax bill as a special assessment for oursent services rendered. The charges will be assessed as prescribed by sec. 66.60, Stats.
- 2. New buildings and new structures to be served by holding tanks shall include the installation of water meters to measure the flows of water so as to allow comparisons to the data of holding tank pumping reports. A water meter required under this paragraph shall be installed in accordance with s. comm. 83.18(10).
- 3. Owner agrees to pay all charges and costs incurred by the municipality for inspection, pumping, hauling or otherwise servicing and maintaining the

This information must be completed by submitter; document title, name & return address, and PIN (if required). Other information such as the granding clauses, legal description, etc. may be placed on this first page of the document or may be placed on additional pages of the document. Note: Use of this cover page adds one page to your document and \$2.00 to the recording fee. Wisconsin Statutes, 59.517. WRDA 2/96

2590916

REGISTER'S OFFICE WAUKEGHA COUNTY, WI RECORDED ON

₩9-15-2000 9:51 AM

MICHAEL J. HASSLINGER REGISTER OF DEEDS

REC. FEE: 10.00 REC. FEE-CO: 4.00 REC. FEE-ST: 2.00 TRAN. FEE: TRAN. FEE-STATE: PAGES: 4

Recording Area

Name and Return Address

Paul F. Reilly 720 Clinton Street Waukesha, WI 53186

Olle

SEP 15 00 0 0 0 3 0 4 holding tank including reasonable and necessary attorney fees, so as to prevent or abate any nuisance or health hazard caused by the holding tank. The municipality shall notify the owner of any costs which shall be paid by the owner within thirty (30) days. The owner hereby specifically agrees that all of the costs and charges may be placed on the tax roll as a special assessment for the abatement of human health hazard, and the special assessment shall be collected as provided by Wisconsin statute.

- The owner agrees to contract with a person who is licensed under s. NR 113, Wis. Adm. Code to have the holding tank serviced and to file a copy of the contract or their registration with the municipality and with the County. The owner further agrees to file a copy of a new service contract with the municipality and with the County within ten (10) business days from the date of change to the new service contractor.
- The owner agrees to contract with a person licensed under s. NR 113, Wis. Adm. Code who shall submit to the municipality and to the county a report in accordance with s. Comm. 83.18(4)(a)2, Wis. Adm. Code for the servicing on a semiannual basis. The owner shall submit the report to the municipality and the County. The municipality may enter upon the property to investigate the condition of the holding tank when pumping reports and meter readings may indicate that the holding tank is not being properly maintained.
- This agreement will remain in effect only until the local governmental unit responsible for the regulation of private sewage systems certifies that the property is served by either a municipal sewer or a soil absorption system that complies with s. Comm. 83, Wis. Adm. Code. In addition, this agreement may be cancelled by executing and recording said certification with reference to this agreement in such manner which will permit the existence of the certification to be determined by reference to the property.
- 7. This agreement shall be binding upon the owner, the heirs of the owner, successors and assignees of the owner. The City shall record the agreement with the Register of Deeds which shall be recorded by the Register of Deeds in a manner which will permit the existence of the agreement to be determined by reference to the property where the holding tank is installed. By signing this agreement the owner shall continue to be responsible in addition to heirs, successors and assigns until and unless the heirs, successors or assigns have entered into a holding tank agreement with the city of New Berlin.
- We guarantee that the holding tank contents will be disposed of at a site meeting the requirements of s. NR 113, Wis. Adm. Code.

9.	This	agreement	shall :	not be	valid u	ntil the	owner	has	tendered	payment
to	the City	for the	cost of	record	lingythi	s agreem	ent.			

KASCO PArtnership

STATE OF WISCONSIN

WAUKESHA COUNTY

Notary Public, State of Misconsino My Commission Expires, Thur of Joo 2

Manual Control of the Control of the

Q OST 15 00 0 0 0 3 0 5

City Plumbing Inspector

STATE OF WISCONSIN)

WAUKESHA COUNTY

, 2000 the above hame Personally came before me this // day of SeaT, who, the above mined.

NO BALKO, to me known to be the person(s) who signed before me the foregoing Release and acknowledged the same.

Noticy Public, State of Wisconsin My Commission Expires: June of Jan 3

This document was drafted by Attornay Paul F. Reilly HIPPRNMEYER, REILLY & MOODIE, S.C. 720 Clinton Street P.O.Box 766 Waukesha WI 53187-0766

RE0020 .

KEY # 1266995

19

NUMBER OF LEGAL LINES 12

1	20203 W LAWNSDALE RD
2	PT NW.25 SEC 29 T6N R20E COM
3	AT NW COR OF NW.25 SEC 29, TH
4	S 0 DGR 32'58" E 92.77 FT/BGN
5	TH S 0 DGR 32'58" E 2010.98 F
б	TH N 88 DGR 58'50" E 704 FT, TI
7	N 0 DGR 3'10" E 2003.16 FT, TI
8	S88 DGR 37'17" W 725.04 FT/BG
9	TOGETHER WITH INTEREST IN 13
10	FT & 22 FT GORE ON E & S SIDE
11	OF PARCEL
12	R2387 I102 R2849 I47 2/24/99
13	City of New Bestin
1.4	
15	
1.6	
1.7	
1.8	



## ${\bf Appendix} \; E \; | \; {\bf Baseline} \; {\bf Hydrology} \; {\bf Monitoring} \;$

Solutions for people, projects, and ecological resources.

Chart 1. 2024 Antecedent Precipitation Analysis - Mill Creek Wetland Mitigation Bank Precipitation Data and 30-Year Normal Data from Waukesha WWTP Weather Station

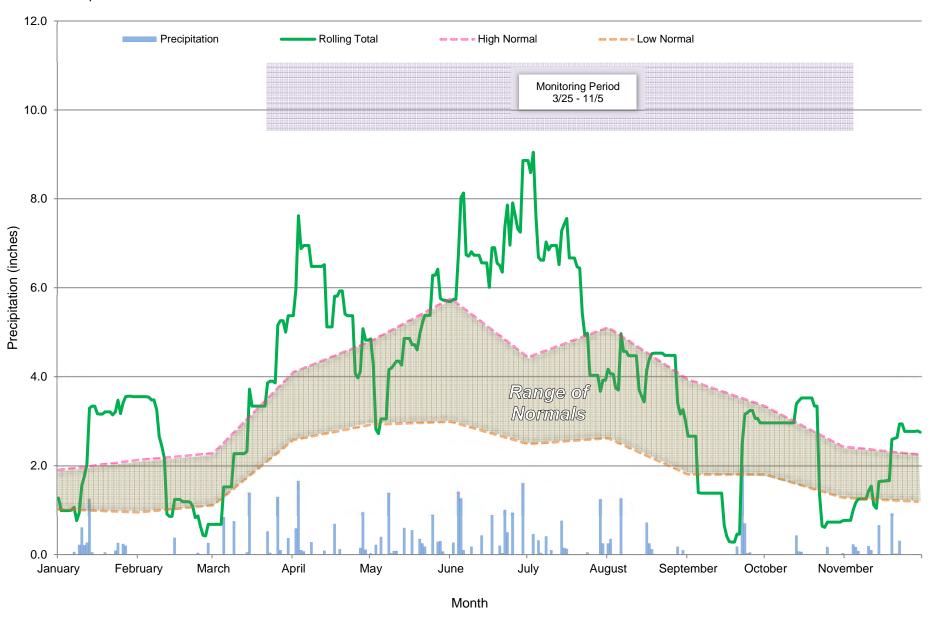


Table E-1. Monthly Precipitation (Inches) Compared to Long-term Averages and Precipitation Probabilities

Month	2024 <sup>1</sup>	Long-term Average <sup>2</sup>	30% Less Probability	30% More Probability	2024 Difference (Actual-Average)	Wet/Dry/Normal Month <sup>3</sup>
January	3.55	1.58	1.02	1.90	1.97	Wet
February	0.68	1.74	0.95	2.13	-1.06	Dry
March	5.37	1.88	1.11	2.28	3.49	Wet
April	4.82	3.50	2.58	4.10	1.32	Wet
May	5.72	4.07	2.92	4.80	1.65	Wet
June	8.86	4.77	2.99	5.76	4.09	Wet
July	3.92	3.71	2.49	4.44	0.21	Normal
August	3.26	4.22	2.62	5.11	-0.96	Normal
September	2.96	3.23	1.8	3.94	-0.27	Normal
October	0.76	2.77	1.8	3.33	-2.01	Dry
November	2.75	2.02	1.28	2.43	0.73	Wet
Total	39.10	31.91	20.54	38.32	9.16	Wet

<sup>&</sup>lt;sup>1</sup>2024 precipitation data obtained from the Waukesha WWTP, WI weather station (AgACIS 2024).

Table E-2. Winter Snowfall (Inches) Compared to Long-term Average

	Snowfall (inches)
2023-2024 <sup>1</sup>	30.0
Average <sup>2</sup>	37.4
Difference (Actual - Average)	-7.4
10000 0004 are sufall data abtained from the Wardenship WAVAT	D. M.I

<sup>&</sup>lt;sup>1</sup>2023-2024 snowfall data obtained from the Waukesha WWTP, WI weather station (AgACIS 2024).

<sup>&</sup>lt;sup>2</sup>Long term average monthly precipitation data obtained from the Waukesha WWTP, WI weather station WETS table for 1994-2023 (AgACIS 2024).

<sup>&</sup>lt;sup>3</sup>Wet/Dry/Normal month determined by comparing actual precipitation to 30% threshold values in the WETS Table.

<sup>&</sup>lt;sup>2</sup>Average snowfall data obtained from the Waukesha WWTP, WI weather station WETS Table for 1994-2023 (AgACIS 2024).

Table E-3. Mill Creek Wetland Mitigation Bank Water Level Summary Statistics, March 25 - November 5, 2024<sup>1</sup>

Well ID	Mean (feet)	Median (feet)	Max (feet)	Min (feet) <sup>2</sup>	Lower Quartile (feet)	Upper Quartile (feet)	Interquartile Range (feet)
MW1	-1.2	-1.1	0.0	-2.7	-1.8	-0.5	1.3
MW2	-2.1	-2.2	-1.4	-2.3	-2.3	-2.1	0.2
MW3	-2.3	-2.2	-1.6	-2.9	-2.6	-2.0	0.6
MW4	-0.9	-0.8	-0.1	-2.0	-1.2	-0.5	0.7
MW5 <sup>3</sup>	-1.8	-1.8	-1.2	-2.4	-2.0	-1.7	0.3
MW6	-1.2	-1.2	-0.1	-2.5	-1.6	-0.9	0.7

<sup>&</sup>lt;sup>1</sup>Water levels are summarized as depth to water from the ground surface. Negative values indicate depth below ground surface; positive values indicate water levels above ground surface.

Table E-4. Mill Creek Wetland Mitigation Bank Water Level Threshold Summary Statistics, March 25 - November 5, 2024

Well ID	Water Table <sup>1</sup> Frequency <sup>2</sup> within 12 Inches of the Surface	Inundation <sup>3</sup> Frequency <sup>2</sup>	Max. Duration <sup>4</sup> of Water Table <sup>1</sup> within 12 inches of the Surface (Days)	r Table <sup>1</sup> 12 Inches of the 2 inches of Surface with		Number of Inundation <sup>3</sup> Events with Durations <sup>4</sup> ≥ 14 Days
MW1	46.0%	1.8%	81	1	2	0
MW2	0.0%	0.0%	0	0	0	0
MW3	0.0%	0.0%	0	0	0	0
MW4	59.3%	0.0%	81	2	0	0
MW5 <sup>5</sup>	0.0%	0.0%	0	0	0	0
MW6	36.7%	0.0%	50	1	0	0

<sup>&</sup>lt;sup>1</sup>Water table is the recorded presence of free water within the monitoring well.

<sup>&</sup>lt;sup>2</sup>Minimum water level measurements are restricted to the depth of the well.

<sup>&</sup>lt;sup>3</sup>The data logger at MW5 broke after the download on 8/23/2024 and no data was collected after that date.

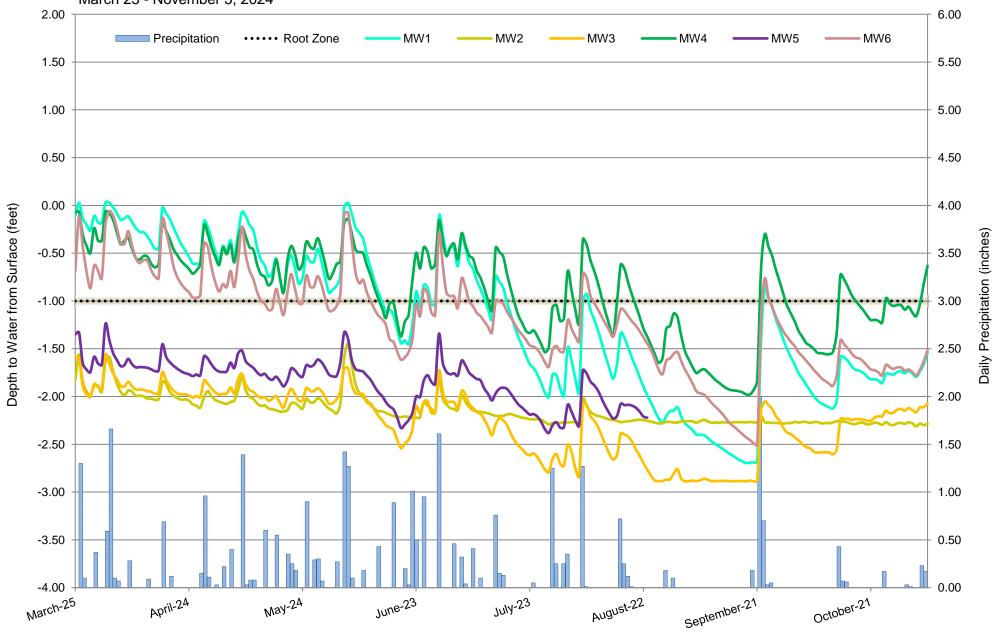
<sup>&</sup>lt;sup>2</sup>Frequency is defined as the percentage of time water levels are at or above the specific threshold.

<sup>&</sup>lt;sup>3</sup>Inundation is defined as free water at or above the ground surface.

<sup>&</sup>lt;sup>4</sup>Max. duration is defined as the maximum, continuous length of time where water levels are at or above the specific threshold.

<sup>&</sup>lt;sup>5</sup>The data logger at MW5 broke after the download on 8/23/2024 and no data was collected after that date.

Chart 2. Water Level Hydrograph - Mill Creek Wetland Mitigation Bank March 25 - November 5, 2024





## $Appendix \ F \mid Wetland \ Delineation \ Report$





# **Assured Wetland Delineation Report**

## **Tree Farm Property**

City of New Berlin, Waukesha County, Wisconsin February 7, 2025

Project Number: 20241185

## **Tree Farm Property**

City of New Berlin, Waukesha County, Wisconsin February 7, 2025

#### **Prepared for:**

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#### 1.0 Introduction

Heartland Ecological Group, Inc. ("Heartland") completed an assured wetland determination and delineation on the Tree Farm Property site on July 26, 2024 at the request of Workman Enterprises LLC. Fieldwork was led by Matthew Stangel, an assured delineator qualified via the Wisconsin Department of Natural Resources' (WDNR's) Wetland Delineation Assurance Program (Appendix E, Qualifications), and assisted by Eric C. Parker, SPWS and Mikayla Datka. The 102.64-acre site (the "Study Area") is southwest of the intersection of West Lawnsdale Road and Kohler Court, in the northeast ¼ of Section 30 and northwest ¼ of Section 29, T6N, R20E, City of New Berlin, Waukesha 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. Installation of water monitoring wells (for recording the water table in the 2024 early growing season) and a historic aerial imagery analysis was necessary to assess historic conditions and determine wetlands based on the site conditions and drainage system functionality.

Two (2) wetland areas totaling approximately 30.33 acres were delineated and mapped within the Study Area (Figure 7, Appendix A). Mill Creek and eight (8) of its tributary unnamed waterways were also identified and mapped within the Study Area. A historically excavated pond was also noted and mapped in the eastern portion of the Study Area.

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 Wetland 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 U.S. Department of Agriculture (USDA) Natural Resource Conservation Service's (NRCS) Soil Survey Geographic Database (SSURGO) *Web Soil Survey* (Figure 3, Appendix A), the WDNR's *Wetland Indicator* data layer (Figure 4, Appendix A), the WDNR's *Wisconsin Wetland Inventory* data layer (Figure 5, Appendix A), the WNDR's *24k Hydro Flowlines* (*Rivers and Streams*) data layer (Figure 2 and 5, Appendix A), the WDNR's *Color-Stretch LiDAR and Hillshade Image Service Layer* (Figure 6, Appendix A), and aerial imagery available through the USDA Farm Service Agency's (FSA) National Agriculture Imagery Program (NAIP) and Waukesha County's Land Information Office.

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 Silvicultural Lands (a tree farm) which includes a system of drainage ditches and drain tiles to manipulate the water table and improve conditions for growing various tree species. Therefore, procedures described in Chapter 5 of the Regional Supplement were used and monitoring wells were installed during the early growing season at strategic locations within the Study Area and observed over an appropriate period to document water table fluctuations.



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 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™ 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 wetter than 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 severe wetness range. Fieldwork was completed within the dry-season based on long-term regional hydrology data utilized in the WebWIMP Climatic Water Balance and computed as part of the APT analysis.



#### **General Topography and Land Use**

The topography within the Study Area was rolling, with various hills, depressions, and slopes and a topographic high of approximately 950 feet above mean sea level (msl) near the northwest corner, and a topographic low of approximately 884 feet above msl near the tile outlet in the central portion of the southern boundary (Figures 2, 6, and 7, Appendix A). Land use within the Study Area is comprised of a former tree farm and surrounding areas are primarily agricultural row cropping with residential, pasture, and woodland areas also present. General drainage is to the south and west toward Mill Creek, which lies adjacent to the southern boundary 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

Soil symbol: Soil Unit Name	Soil Unit Component	Soil Unit Component Percentage	Landform	Hydric status
HmB2: Hochheim Ioam, 2-6% slopes, eroded	Hochheim- Eroded	80-91	Drumlins	No
	Theresa- Eroded	6-12	Till plains	No
	Lamartine	3-8	Drumlins	No
HmE2: Hochheim loam, 20-30% slopes	Hochheim	80-91	Moraines	No
	Theresa- Eroded	6-12	Moraines	No
	Casco	3-8	Moraines	No
HtA: Houghton muck, 0- 2% slopes	Houghton- Muck	84-95	Depressions	Yes
	Houghton- Ponded	2-5	Depressions	Yes
	Palms	1-3	Lakebeds (relict)	Yes
	Adrian	1-3	Lakebeds (relict)	Yes
	Willette-Muck	0-3	Depressions	Yes
	Edwards	1-2	Depressions	Yes



Soil symbol: Soil Unit Name	Soil Unit Component	Soil Unit Component Percentage	Landform	Hydric status
KIA: Kendall silt loam, 1- 3% slopes	Kendall-Till substratum	85-95	[no data]	No
	Pella	2-6	[no data]	Yes
	Lamartine	2-5	[no data]	No
	St. Charles- Till substratum	1-4	[no data]	No
MgA: Martinton silt loam, 1-3% slopes	Martinton	90	Drainageways	No
	Montgomery	7	Depressions	Yes
	Saylesville	3	Rises	No
Oc: Ogden muck	Ogden	100	Depressions, lakebeds	Yes
Pa: Palms muck, 0-2% slopes	Palms-Muck	75-95	Inter-drumlins	Yes
	Houghton- Muck	3-15	Depressions	Yes
	Adrian	2-10	Inter-drumlins	Yes
Ph: Pella silt loam, 0-2% slopes	Pella	80-91	Drainageways	Yes
	Kendall	5-9	Drainageways	No
	Lamartine	4-8	Drainageways	No
	Palms-Muck	1-3	Depressions	Yes
Ru: Edwards muck, 0-2% slopes	Edwards- Muck	87-95	Depressions	Yes
	Houghton- Muck	3-8	Depressions	Yes
	Palms-Muck	1-2	Depressions	Yes
	Adrian-Muck	1-3	Depressions	Yes
ThB2: Theresa silt loam, 2-6% slopes, eroded	Theresa- Eroded	80-90	Drumlins	No
	Hochheim- Eroded	9-15	Drumlins	No
	Lamartine	1-5	Drumlins	No
ThC2: Theresa silt loam, 6-12% slopes, eroded	Theresa- Eroded	80-95	Drumlins	No
	Hochheim- Eroded	5-17	Drumlins	No
	Lamartine	0-3	Drumlins	No



#### **Wetland Mapping**

The Wisconsin Wetlands Inventory (WWI) mapping (Figure 5, Appendix A) depicts six (6) wetland areas within the Study Area. One (1) forested and emergent (T3/E2K) wetland is shown in the eastern section of the Study Area adjacent to an intermittent waterway (WBIC: 5036880), one (1) shrub scrub/emergent (S3/E1K) wetland complex that is adjacent to the entire eastern and southern borders of the Study Area associated with Mill Creek (WBIC: 769700), one (1) shrub scrub (S3K) wetland adjacent to an unnamed intermittent waterway in the northcentral portion of the site, one (1) flat/unvegetated (F0Kf) wetland adjacent to an intermittent waterway (WBIC: 5036814) in the southcentral portion of the site, one (1) forested (T3K) wetland is shown in the northwest corner, and one (1) forested and emergent (T3/E2K) wetland is shown in the southwest corner of the Study Area.

#### **Waterway Mapping**

The WDNR's Rivers and Streams data layer (Figure 5, Appendix A) depicts a network of ditched waterways that intersect Mill Creek within the Study Area. These waterways are mapped from east to west across the Study Area: one (1) intermittent waterway (WBIC: 5036880) is shown in the eastern section that flows west and south until it connects with Mill Creek (WBIC: 769700), which is shown in the southeastern corner and flowing west and south adjacent to the southern site boundary of the Study Area; one (1) unnamed intermittent waterway in the northcentral portion of the site that flows east along the northern property border before flowing south toward Mill Creek, and one (1) intermittent waterway (WBIC: 5036814) flowing north to south in the central portion of the site until it flows east to connect with Mill Creek along the southern border of the Study Area.

#### **Previous Delineations and Landowner Contacts**

Heartland is aware of one (1) wetland delineation that was completed in the Study Area approximately ten (10) years ago by Stantec Consulting Services, however, a copy of the report was not obtained. The property was not managed by the previous owner for approximately 10 years, and the current owner, Workman Enterprises, is now managing the vegetation on the property and reviewing potential uses.



#### **Aerial Photography**

Available NAIP imagery of the Study Area from the period of 2005-2022 (Appendix F) was reviewed for evidence of wetland signatures and to gain insight into the site's recent history. Land uses within the Study Area have not changed; the site remained as a tree farm with ditched waterways for the entire review period.

#### **Monitoring Wells**

As the Study Area has historically been used as a tree farm, hydrology has been modified by a system of ditches and drain tiles which has allowed for better growing conditions within the organic (hydric) soils. Six (6) monitoring wells were installed on March 15, 2024 in an east/west transect across the Study Area. Locations of monitoring wells are shown on Figure 7, Appendix A. At the time of well installation, all of these areas were observed to have hydric soils of organic nature, indicating historic wet conditions.

Monitoring well data was collected from March 25 – June 20, 2024 to determine wetland hydrology status within the early growing season, when conditions are typically wettest throughout the year. Of the six (6) wells, three (3) consistently recorded water tables within 12 inches of the surface, while three (3) had no events where the water table rose to within 12 inches of the surface. The hydrograph for all six monitoring wells is included in Appendix G. Therefore, wetland hydrology was determined to be present at MW1, MW4, and MW6, while the areas around MW2, MW3, and MW5 are presumed to be sufficiently drained to no longer support wetland hydrology. Based on the monitoring well data, the primary wetland hydrology indicator of Gauge or Well Data (D9) was noted at three sample points (P1, P20, and P27) which were collected next to the monitoring well locations.

#### 3.2 Field Review

Two (2) wetlands were identified and delineated within the Study Area. Wetland determination data sheets (Appendix C) were completed at 33 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 7 (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 / Shallow Marsh	Contiguous with Mill Creek	Moderately susceptible, 50 feet	29.31		
W-2	Wet Meadow	Potentially isolated	Less susceptible, 10-30 feet	1.02		
*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 (W-1)

Wetland W-1 is a 29.31-acre wet meadow / shallow marsh wetland complex that is contiguous to other wetlands and ditched waterways within the Study Area. A small portion of W-1 includes trees which were previously planted for a tree farm operation. The boundary of W-1 generally followed a moderately well to poorly defined topographic break and follows the ditched waterways. Wetland hydrology was verified with monitoring wells installed early in the 2024 growing season.

Dominant vegetation observed in W-1 included box elder (*Acer negundo*, FAC), sandbar willow (*Salix interior*, FACW), silver maple (*Acer saccharinum*, FACW), swamp white oak (*Quercus bicolor*, FACW), prairie crabapple (*Pyrus ioensis*, UPL), Bebb's willow (*Salix bebbiana*, FACW), reed canary grass (*Phalaris arundinacea*, FACW), spotted touch-me-not (*Impatiens capensis*, FACW), common beggar's ticks (*Bidens frondosa*, FACW), purple-stem angelica (*Angelica atropurpurea*, OBL), white avens (*Geum canadense*, FAC), shining aster (*Symphyotrichum puniceum*, OBL), panicled aster (*Symphyotrichum lanceolatum*, FAC), bittersweet nightshade (*Solanum dulcamara*, FAC), Canadian goldenrod (*Solidago canadensis*, FACU), narrow-leaf cattail (*Typha angustifolia*, OBL), and hybrid cattail (*Typha X glauca*, OBL). Therefore, the wetland vegetation parameter was met.

The following hydric soil indicators were observed within sample points observed within W-1: Histosol (A1) was noted at P1, P5, P11, P17, P25, P29; 2 cm Muck (A10) was noted at

#### ASSURED WETLAND DELINEATION REPORT



P1, P2, P11, P29; Thick Dark Surface (A12) was noted at P31; Drift Deposits (B3) were noted at P5; Depleted Matrix (F3) was noted at P2; Sandy Mucky Mineral (S1) was noted at P14; and Loamy Mucky Mineral (F1) was noted at P14, P17, P31. Thus, the hydric soil parameter was met.

The primary wetland hydrology indicator of Surface Water (A1) was noted at P25; High Water Table (A2) was noted at P14, P18, P25, P29; Saturation (A3) was noted at P14, P17, P18, P25, P29; Drift Deposits (B3) was noted at P5; and Gauge or Well Data (D9) was noted at P31 within W-1, while secondary indicators included Dry-Season Water table (C2) was noted at sample points P20 and P27; while Geomorphic Position (D2), a positive FAC-Neutral Test (D5), and monitoring well hydrology verification were noted at several sample points. Therefore, the wetland hydrology parameter was met.

#### Wetland 2 (W-2)

Wetland W-2 is a 1.02-acre wet meadow wetland that appears isolated within the landscape. The boundary of W-2 generally followed a moderately well to poorly defined topographic break. Wetland hydrology was verified with monitoring wells installed early in the 2024 growing season.

Dominant vegetation observed in W-2 included common burdock (*Arctium minus*, FACU), stinging nettle (*Urtica dioica*, FACW), and bittersweet nightshade. Therefore, the wetland vegetation parameter was met.

The Histosol (A1) and 2 cm Muck (A10) hydric soil indicators were observed within W-2. Thus, the hydric soil parameter was met.

There was no hydrology indicators observed, and the soil profile was dry. This area is in the zone of influence of nearby ditches with substantial depth. The monitoring wells installed on site show significant drainage influence in similar soils and landscape position under these wet 2024 conditions.

#### Waterways and Waterbodies

Eight (8) unnamed waterways (WW-1 through WW-8) and Mill Creek were observed within or immediately adjacent to the Study Area. One (1) pond (Pond 1) was observed within the Study Area. The approximate area of the waterways and pond are mapped on Figure 7, 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 Tree Farm Property on July 26, 2024 at the request of Workman Enterprises LLC. Fieldwork was completed by Eric C. Parker, SPWS, an assured delineator qualified via the WDNR's Wetland Delineation Assurance Program (Appendix E). The Study Area lies in Section 29, T6N, R20E, City of New Berlin, Waukesha County, WI (Figure 1, Appendix A).

Two (2) wetland areas were delineated and mapped within the 102.64-acre Study Area (Figure 7, Appendix A). The wetlands, which may be classified as wet meadow and shallow marsh, total approximately 30.33 acres within the Study Area. Mill Creek and eight (8) unnamed tributary waterways, and an excavated pond were observed and mapped 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 are not limited to precipitation patterns, drainage modifications, changes or modification to vegetation, and the time of year.

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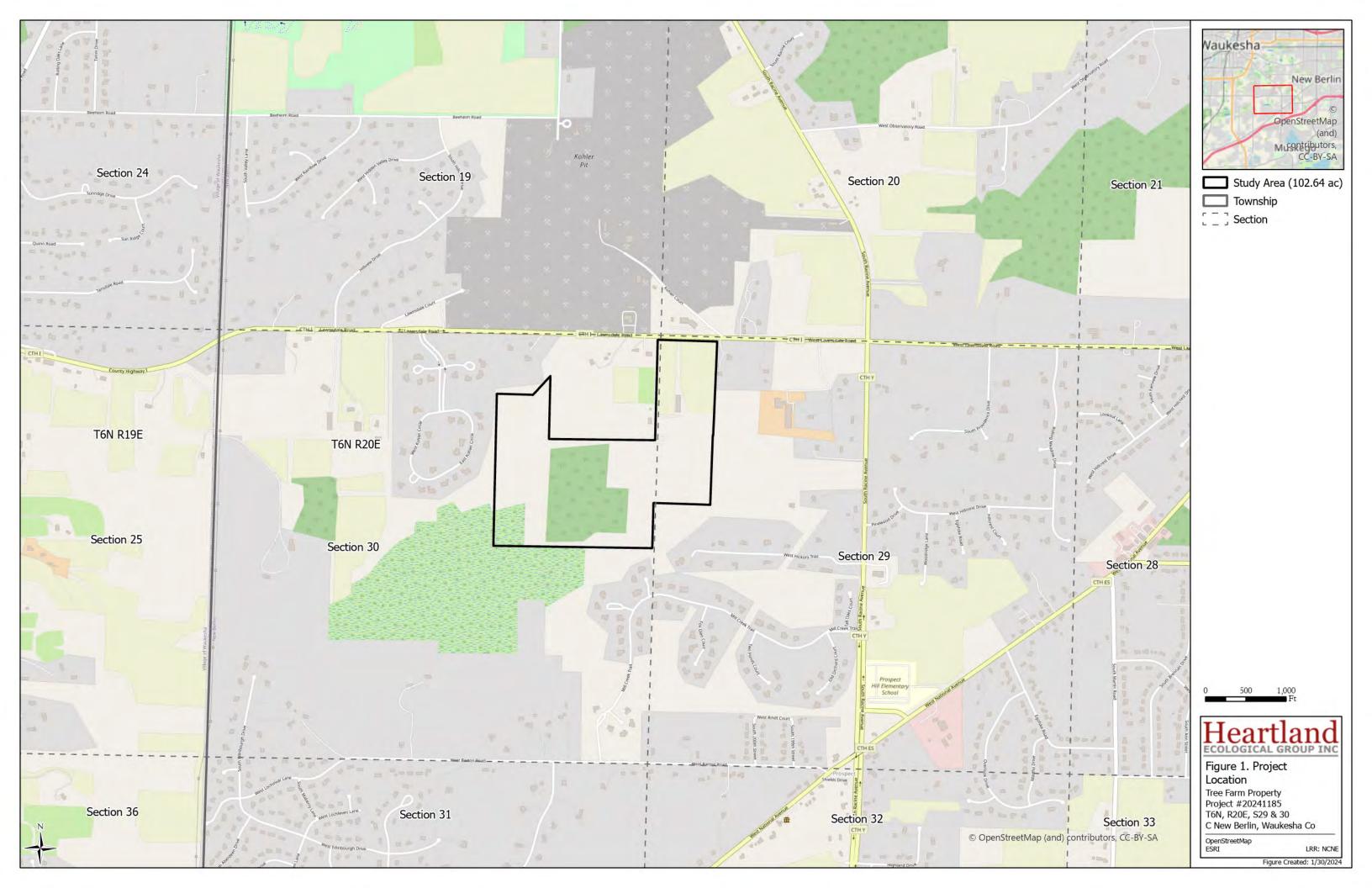
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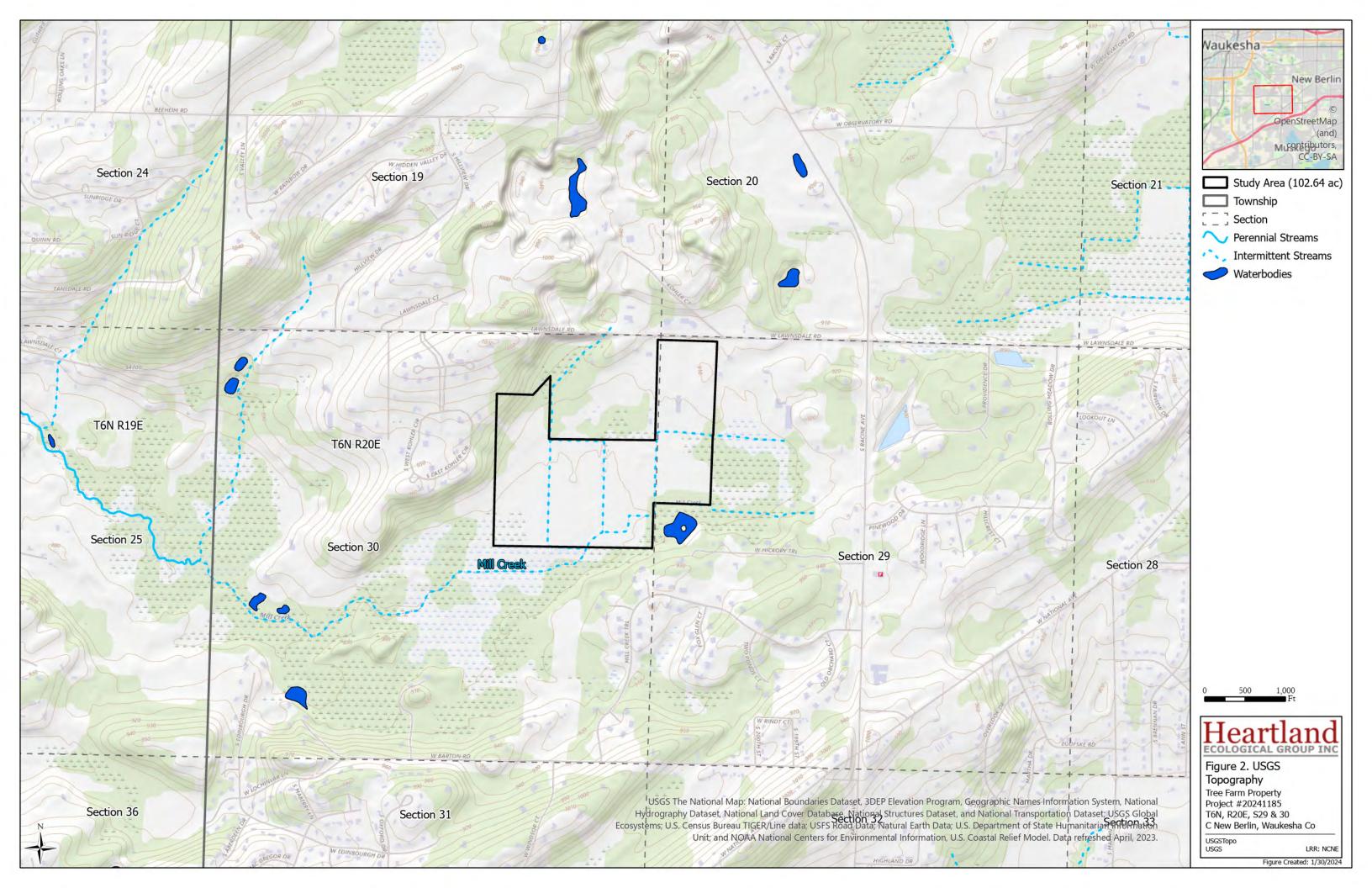


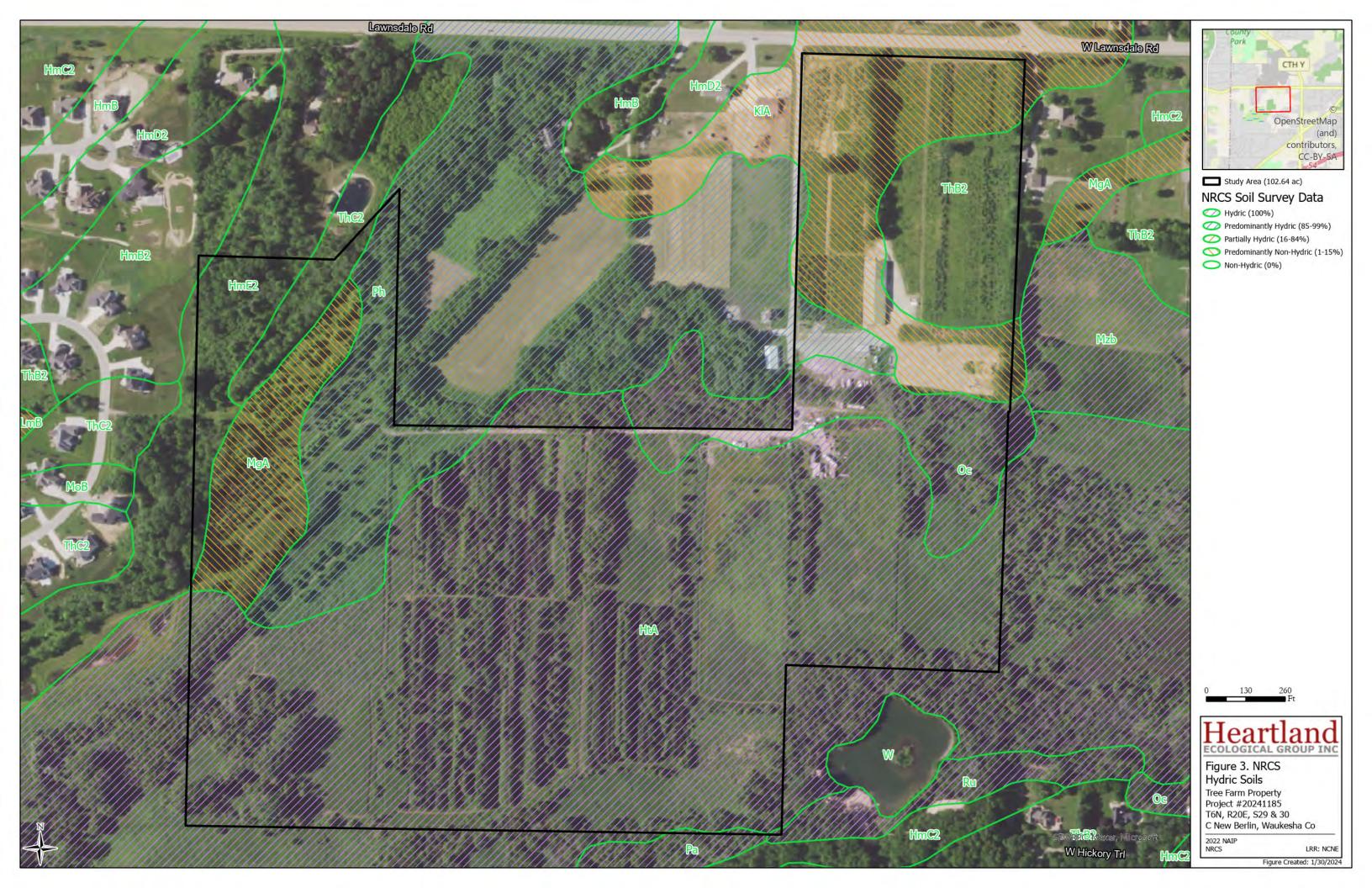
Workman Enterprises LLC Tree Farm Property Project #: 20241185 February 7, 2025

# Appendix A | Figures

Solutions for people, projects, and ecological resources.

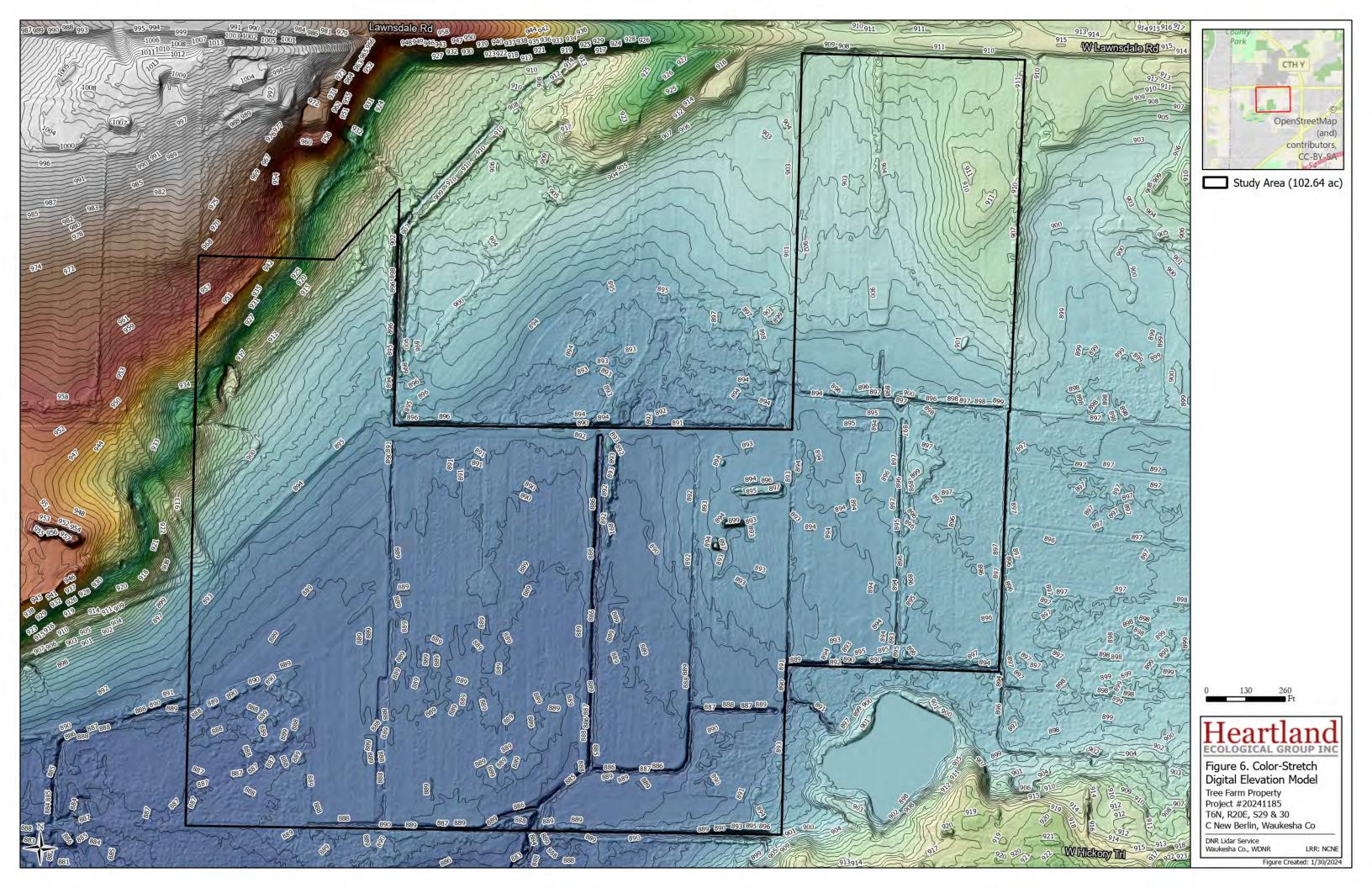














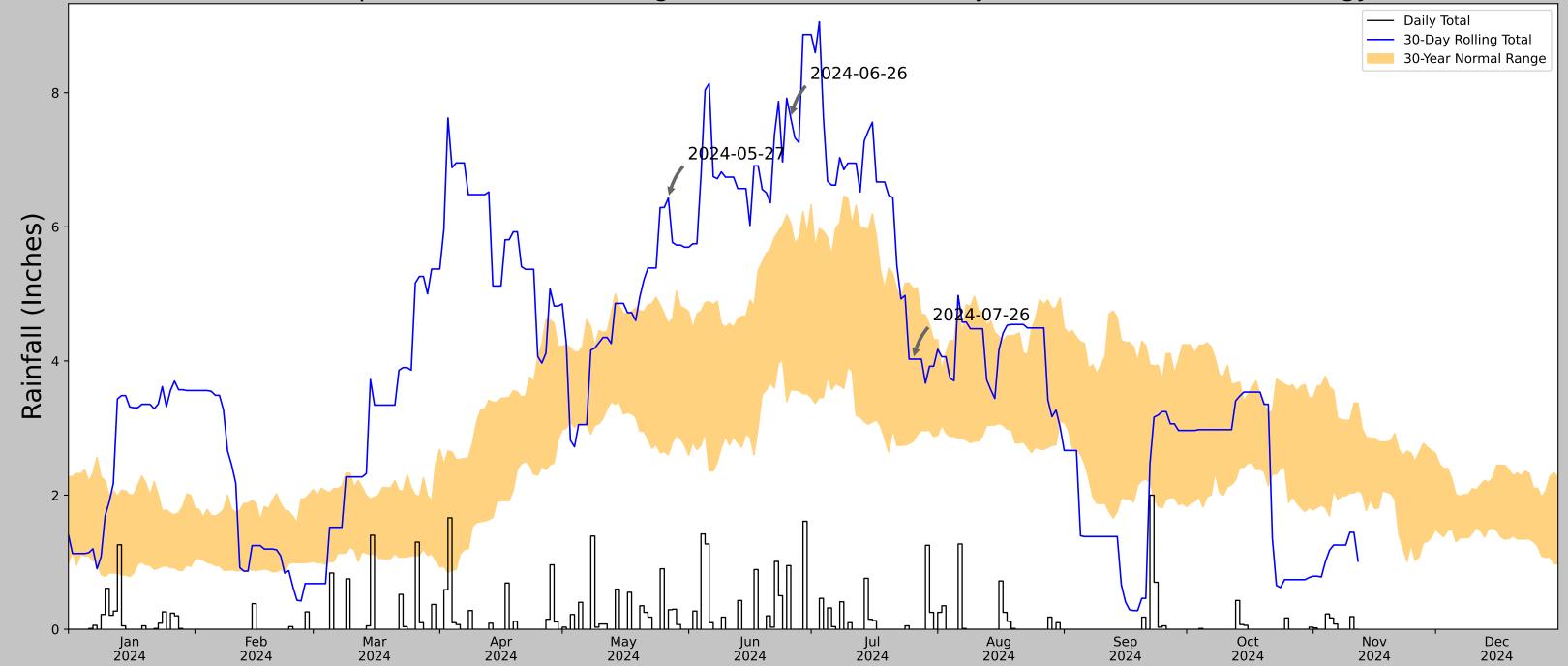


Workman Enterprises LLC Tree Farm Property Project #: 20241185 February 7, 2025

# Appendix B | APT Analysis

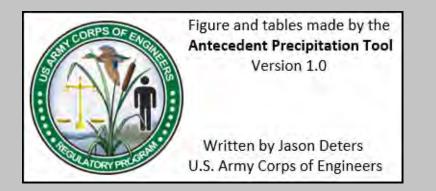
Solutions for people, projects, and ecological resources.

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



Coordinates	42.955499, -88.172509
Observation Date	2024-07-26
Elevation (ft)	891.52
Drought Index (PDSI)	Severe wetness
WebWIMP H <sub>2</sub> O Balance	Dry Season

30 Days Ending	30 <sup>th</sup> %ile (in)	70 <sup>th</sup> %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2024-07-26	2.803543	5.075984	4.027559	Normal	2	3	6
2024-06-26	3.570473	6.057481	7.625984	Wet	3	2	6
2024-05-27	2.598425	4.562205	6.429134	Wet	3	1	3
Result							Wetter than Normal - 15



Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
WAUKESHA WWTP	42.9986, -88.2525	801.837	5.022	89.683	2.71	11251	90
WAUKESHA 2.1 SSW	42.9847, -88.2531	816.929	0.961	15.092	0.447	19	0
WAUKESHA 1.6 NW	43.0287, -88.2609	967.848	2.123	166.011	1.308	15	0
WAUKESHA 1.6 NW	43.0307, -88.2584	979.003	2.238	177.166	1.404	1	0
WAUKESHA 2.0 NNW	43.036, -88.2596	926.837	2.609	125.0	1.5	7	0
BROOKFIELD WWTP	43.0522, -88.1775	830.053	5.298	28.216	2.534	6	0
W ALLIS	42.9981, -88.0242	772.966	11.537	28.871	5.525	44	0
MT MARY COLLEGE	43.0722, -88.0294	714.895	12.362	86.942	6.638	9	0



Workman Enterprises LLC Tree Farm Property Project #: 20241185 February 7, 2025

# $Appendix\ C\ |\ Wetland\ Determination\ Data\ Sheets$

Solutions for people, projects, and ecological resources.

Project/Site: Tree Farm Property	City	/County: Waukesh	na County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises			State: Wisconsin Sampling Point: P1
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mika	ayla Datka Sec	ction, Township, Rang	ge: sec 30 T006N R020E
Landform (hillslope, terrace, etc.): Depression		Local relief (c	oncave, convex, none): Concave
Slope (%): <u>0-2</u> Lat: <u>42.953528</u>			
Soil Map Unit Name: Houghton muck, 0 to 2 percei			
Are climatic / hydrologic conditions on the site typical for thi			
Are Vegetation, Soil, or Hydrologys			ormal Circumstances" present? Yes _ ✓ No
Are Vegetation, Soil, or Hydrology I			ded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map			
			, , , , , , , , , , , , , , , , , , , ,
Hydrophytic Vegetation Present? Yes N		Is the Sampled A	Area
Hydric Soil Present? Yes ✓ N Wetland Hydrology Present? Yes ✓ N		within a Wetland	? Yes <u>√</u> No
Remarks:			
APT analysis indicates climatic condition	ons are in	the wetter than	n normal range.
VEGETATION – Use scientific names of plants			
100 T T 100 T	Absolute D		Dominance Test worksheet:
Tree Stratum (Plot size: 30 )			Number of Dominant Species
1			That Are OBL, FACW, or FAC:1 (A)
2.			Total Number of Dominant
3			Species Across All Strata:1 (B)
4			Percent of Dominant Species
5		otal Cover	That Are OBL, FACW, or FAC: 100.00 (A/B)
Sapling/Shrub Stratum (Plot size: 15 )			Prevalence Index worksheet:
1			Total % Cover of: Multiply by:
2			OBL species <u>5.00</u> x 1 = <u>5.00</u>
3.			FACW species 100.00 x 2 = 200.00
4			FAC species 0.00 x 3 = 0.00
5		THE RESERVE THE PARTY OF THE PA	FACU species <u>0.00</u> x 4 = <u>0.00</u>
Herb Stratum (Plot size:5)	<u> </u>	2.771.1.2.2.11.2.11	UPL species 0.00 x 5 = 0.00
Phalaris arundinacea	100	YFACW	Column Totals:105.00(A)205.00(B)
2. Lythrum salicaria			Prevalence Index = B/A = 1.95
3			Hydrophytic Vegetation Indicators:
4.			✓ 1 - Rapid Test for Hydrophytic Vegetation
5.			✓ 2 - Dominance Test is >50%
6			✓ 3 - Prevalence Index is ≤3.01
7			4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8			data in Remarks or on a separate sheet)
9	·		— Problematic Hydrophytic Vegetation¹ (Explain)
10	-		1. The state of th
Woody Vine Stratum (Plot size:)	<u>105.0</u> = T	otal Cover	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1			Hydrophytic
2	-		Vegetation
	0 = T	otal Cover	Present? Yes <u>√</u> No
Remarks: (Include photo numbers here or on a separate			
WM			

SOIL	Sampling Point: P1
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence	e of indicators.)

dric Soil Indicators:  Histosol (A1)	Domarka
ype: C-Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.    Indicators:	Remarks
Indicators:  Histosol (A1)	
Indicators:  Histosol (A1)	PL=Pore Lining, M=Matrix.
Histosol (A1) Sandy Gleyed Matrix (S4) Coast Prairie F. Histos Epipedon (A2) Sandy Redox (S5) Dark Surface (Eliack Histic (A3) Stripped Matrix (S6) Dark Surface (Eliack Histic (A3) Stripped Matrix (S6) Dark Surface (Eliack Histic (A3) Loamy Mucky Mineral (F1) Iron-Manganes (Eliack Histic (A5) Depleted Matrix (F2) Very Shallow Loamy Mucky Mineral (F1) User Mark (F2) Other (Explain in Campy Gleyed Matrix (F2) Other (Explain in Remarks)  DROLOGY  etiand Hydrology Indicators:  mary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Present Matrix (B1) Original Matrix (B14) Orig	oblematic Hydric Soils <sup>3</sup> :
Histic Epipedon (A2) Black Histic (A3) Black Bla	
Black Histic (A3) Stripped Matrix (S5) Iron-Manganes Stripped Matrix (S5) Iron-Manganes Stratified Layers (A5) Loamy Mucky Mineral (F1) Very Shallow Estratified Layers (A5) Loamy Gleyed Matrix (F2) Very Shallow Estratified Layers (A5) Loamy Gleyed Matrix (F2) Very Shallow Estratified Layers (A5) Depleted Matrix (F3) Other (Explain Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Pandicators of hydrowelland Mucky Mineral (S1) Redox Depressions (F8) Wetland hydrology Strictive Layer (if observed):  Type:  Depth (inches): Hydric Soil Present Marks:  DROLOGY  Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Present Marks (B1) True Aquatic Plants (B14) Drainage Passurants (B1) Present Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Bur Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation (A) Presence of Reduced Iron (C4) Stunded or Suturation (A) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutra (B14) Reposits (B5) Thin Muck Surface (C7) FAC-Neutra (B14) Presence (B3) Other (Explain in Remarks)  Bidd Observations:  Indicators of Nydro Wetland Hydrology Presence (B3) Other (Explain in Remarks)  Wetland Hydrology Presence (B3) Other (Explain in Remarks)  Wetland Hydrology Presence of Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available: etitand hydrology Verified with monitoring wells in 2024 early growing season. Sample potential mydrology Verified with monitoring wells in 2024 early growing season. Sample potential mydrology Verified with monitoring wells in 2024 early growing season. Sample potential mydrology Verified with monitoring wells in 2024 early growing season. Sample potential mydrology Verified with monitoring wells in 2024 early growing season.	
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Thick Dark Surface (A12) Depleted Dark Surface (F7)	n in Remarks)
Sandy Mucky Mineral (S1)	Visit of San Viz
	rophytic vegetation and
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (B9) Spariang (Pa) Spariang (P	logy must be present,
Type:	eu or problematic.
DROLOGY  etland Hydrology Indicators: imary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Drainage Pa Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Bur Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Suturation Valuation Visible on Aerial Imagery (B7) Inn Muck Surface (C7) FAC-Neutra Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  etlat Observations: Inface Water Present? Yes No Depth (inches): Uter Table Present? Yes Dept	
DROLOGY  etland Hydrology Indicators: imary Indicators (minimum of one is required; check all that apply)  Secondary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water-Stained Leaves (B9)  Surface Soil  Aquatic Fauna (B13)  Drainage Pa  Saturation (A3)  Water Marks (B1)  Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2)  Drift Deposits (B3)  Presence of Reduced Iron (C4)  Stunted or S  Algal Mat or Crust (B4)  Iron Deposits (B5)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  eld Observations:  Irface Water Present?  Yes  No  Depth (inches):  Interval Present?  Yes  No  Depth (inches):  Secondary Indicators  Secondary Indicators  Secondary Indicators  Secondary Indicators  Foundary Indicators  Secondary Indicators  Indicators  Secondary Indicators  Foundary Indicators  Secondary Indicators  Secondary Indicators  Secondary Indicators  Indicators  Secondary Indicators  Secondary Indicators  Foundary Indicators  Secondary Indicators  Secondary Indicators  Indicators  Secondary Indicators  Secondary Indicators  Secondary Indicators  Indicators  Seco	nt? Yes 🗸 No
DROLOGY  etland Hydrology Indicators: imary Indicators (minimum of one is required; check all that apply)  Secondary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  etla Observations:  Irace Water Present?  Yes  No  Depth (inches):  Indicators (minimum of one is required; check all that apply)  Secondary Indicators (B9)  Surface Soil  Aquatic Fauna (B13)  Drainage Pa  Surface (C1)  Crayfish Burt  Crayf	
Surface Water (A1)	
Surface Water (A1)	and Table 1979 and Table 1999
High Water Table (A2)	cators (minimum of two require
Saturation (A3)	il Cracks (B6)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Bur Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation V	atterns (B10)
	n Water Table (C2)
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or S	ırrows (C8)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Iron Deposits (B5) Thin Muck Surface (C7) ✓ FAC-Neutra Inundation Visible on Aerial Imagery (B7) ✓ Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) ald Observations:  Inface Water Present? Yes No ✓ Depth (inches): atter Table Present? Yes No ✓ Depth (inches): atterial Present? Yes No ✓ Depth (inches): atte	Visible on Aerial Imagery (C9)
Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutra Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)	Stressed Plants (D1)
Inundation Visible on Aerial Imagery (B7)	c Position (D2)
Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  eld Observations:  Inface Water Present? Yes No _ ✓ Depth (inches):  ater Table Present? Yes No _ ✓ Depth (inches):  turnation Present? Yes No _ ✓ Depth (inches):  cludes capillary fringe)  escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: etland hydrology verified with monitoring wells in 2024 early growing season. Sample points	al Test (D5)
eld Observations:  Inface Water Present? Yes No / _ Depth (inches):  Interest Table Present? Yes No / Depth (inches):	
arface Water Present? Yes No Depth (inches): ater Table Present? Yes No Depth (inches): aturation Present? Yes No Depth (inches): cludes capillary fringe) secribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: etland hydrology verified with monitoring wells in 2024 early growing season. Sample points	
ater Table Present?  Yes No Depth (inches): aturation Present?  Yes No Depth (inches): Cludes capillary fringe)  Secribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Setland hydrology verified with monitoring wells in 2024 early growing season. Sample points	
sturation Present? Yes Nov _ Depth (inches):	
cludes capillary fringe) escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: etland hydrology verified with monitoring wells in 2024 early growing season. Sample po	
escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: etland hydrology verified with monitoring wells in 2024 early growing season. Sample po	ent? Yes _ No
	oint located payt to MMM
emarks:	Jilit located next to MVV

Project/Site: Tree Farm Property		City/Cou	nty: Waukes	ha County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises				State: Wisconsin Sampling Point: P2
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mika	and the same of the			
Landform (hillslope, terrace, etc.): Ditch				
Slope (%): 0-2 Lat: 42.953371				
Soil Map Unit Name: Houghton muck, 0 to 2 percer				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrologys				Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology r	naturally pro	blematic	? (If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	sampl	ling point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes   ✓ N  Yes  ✓ N  N  Remarks:	0		the Sampled	
APT analysis indicates climatic condition	ns are i	n the	wetter tha	n normal range.
VEGETATION – Use scientific names of plants.			200 00 00 0	
VEGETATION - Ose scientific flames of plants.	Absolute	Domina	ant Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 1)	% Cover	Specie	s? Status	Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
2		_		Total Number of Dominant
3				Species Across All Strata:3 (B)
4				Percent of Dominant Species
5		-		That Are OBL, FACW, or FAC: 100.00 (A/B)
Sapling/Shrub Stratum (Plot size:)	0	= Total (	Cover	Prevalence Index worksheet:
1. Acer negundo		Υ	FAC	Total % Cover of: Multiply by:
2. Salix interior				OBL species15.00 x 1 =15.00
3				FACW species <u>110.00</u> x 2 = <u>220.00</u>
4				FAC species <u>15.00</u> x 3 = <u>45.00</u>
5				FACU species <u>0.00</u> x 4 = <u>0.00</u>
AND THE RESERVE OF THE PARTY OF	15.0	= Total (	Cover	UPL species <u>0.00</u> x 5 = <u>0.00</u>
Herb Stratum (Plot size: 5 )	00		E40141	Column Totals: <u>140.00</u> (A) <u>280.00</u> (B)
1. Phalaris arundinacea		Y	_ FACW	Prevalence Index = B/A = 2.0
Phragmites australis     Scirpus cyperinus			<u>FACW</u> OBL_	Hydrophytic Vegetation Indicators:
4. Typha X glauca			OBL	1 - Rapid Test for Hydrophytic Vegetation
5. <u>Urtica dioica</u>		N	FAC	✓ 2 - Dominance Test is >50%
6.				✓ 3 - Prevalence Index is ≤3.01
7.				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8.				data in Remarks or on a separate sheet)
9.				— Problematic Hydrophytic Vegetation¹ (Explain)
10				
Woody Vine Stratum (Plot size:)	125.0	= Total (	Cover	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1				Hydrophytic
2	· · · · ·	-		Vegetation Present? Yes ✓ No
	_	= Total (	Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separate	sheet.)			
WM				

SOIL	Sampling Point: P2

(inches)	Depth		Matrix				x Feature		. ,	27.00	2-1-4		
6-10 10YR 4/1 85 10YR 5/6 15 C M SICL  10-24 10YR 5/2 80 10YR 5/8 20 C M SIC  Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Thick Calc Studies (A1)  Histo Epipedon (A2)  Sandy Redox (S5)  Sultiped Matrix (S4)  Loarny Cleyed Matrix (S7)  Loarny Cleyed Matrix (S7)  Depleted Ball Matrix (S1)  Send Muckly Mineral (S1)  Som Muckly Pactor Peat (S3)  Redox Depressions (F8)  Type: Depth (inches):  Depth (inches):  Depth (inches):  Primary Indicators (minimum of two lequin wetland hydrology must be present, unless disturbed or problematic.  Type: Depth (inches):  Primary Indicators (minimum of two lequin wetland hydrology must be present, unless disturbed or problematic.  Pyper (More Water (A1))  High Water Table (A2)  Soutrace Water (A1)  High Water Table (A2)  Soutrace Water (A1)  True Aquatic Fauna (B13)  Dry-Season Water Table (C2)  Caryfish Burrows (C8)  Soutrace Water (A1)  True Aquatic Fauna (B13)  Presence of Reduced Inon (C4)  Algal Mator Crust (B4)  Type: C=Concentration, D=Depth (inches):  Water Table Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches):  Wetland Hydrology Present? Yes No Depth (inches):  Wetland Hydrol				%_	Color (r	moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	Remarks		
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Typer: C=Concentration, D=Depletion Reduced (A1)  Typer: D=Depletic Reduced Typer Matrix, MS=Masked Sand Grains.  Typer: D=Depletic Reduced Typer Matrix, Masked Sand Grains.  Typer: D=Depletic Reduced Typer Sand Sand Sand Typer Sand Sand S	Idea	10000	- VX	A 2007	- 100000	2.00		-	-24				
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.    Possible   Possib	6-10	10YR	- 1 - 1	<u>85</u>	10YR	1000		_C_	M	-			
Indicators:	10-24	10YR	5/2	80	_10YR	5/8		_C_	M	SIC			
ydric Soil Indicators:  Histosoi (A1)  Histosoil (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stripped Matrix (S5)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)  Zom Muck (A10)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A11)  Thick Dark Surface (A12)  Sondy Mucky Mineral (F1)  Sondy Mucky Min													
Histosol (A1) Sandy Gleyed Matrix (S4) Coast Prairie Redox (A16) Histosol (A2) Sandy Redox (S5) Dark Surface (S7) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) Iron-Manganese Masses (F12) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) Z cm Muck (A10) Loamy Gleyed Matrix (F2) Very Shallow Dark Surface (TF12) Z cm Muck (A10) Loamy Gleyed Matrix (F3) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Som Mucky Mineral (S1) Redox Depressions (F8) Som Mucky Mineral (S1) Redox Depressions (F8) Hydric Soil Present? Yes No Depth (inches):  Setrictive Layer (if observed): Type: Depth (inches): Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Surface Water (A1) Aquatic Fauna (B13) Drainage Patterns (B10) Surface Water (A1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Saduration (A3) True Aquatic Fauna (B13) Dry-Season Water Table (C2) Drift Deposits (B1) Present (B1) Redox Odor (C1) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Sustration (D2) Drift Deposits (B3) Presence of Reduced Iron (C4) Sustrated or Stressed Plants (D1) Algal Mat or Crust (B4) Record (B3) Record (B3) Record (B4) Reco				etion, RM	=Reduced I	Matrix, MS	S=Masked	d Sand Gra	ains.		•		
Histic Epipedon (A2) Black Histic (A3) Stripped Matrix (55) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) Stratified Layers (A5) Loamy Mucky Mineral (F1) Stratified Layers (A5) Loamy Mucky Mineral (F1) Stratified Layers (A5) Loamy Mucky Mineral (F2) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Some Mucky Peat or Peat (S3) Service Layer (if observed): Type: Depth (inches):  Depth (inches):  Depth (inches):  Depth (inches):  Water Table (A2) Aquatic Fauna (B13) Saturation (A3) Truc Aquatic Fauna (B13) Sediment Deposits (B3) Presence of Reduced Iron (C4) Sediment Deposits (B3) Presence of Reduced Iron (C4) Iron Deposits (B3) Presence of Reduced Iron (C4) Iron Deposits (B5) Thin Muck Surface (C7) Iron Deposits (B5) Thin Muck Surface (C7) Sparsely Vegetated Concave Surface (B8) John Concerning (B7) John Concerning (B7) Sparsely Vegetated Concave Surface (B8) John Concerning (B7) John Concerning (B7) Sparsely Vegetated Concave Surface (B8) John Concerning (B7) John Concerning (B7) Sparsely Vegetated Concave Surface (B8) John Concerning (			•			Sandy C	Sleved M	atriv (SA)					
Black Histic (A3)			2)		_								
Hydrogen Sulfide (A4)  Loamy Mucky Mineral (F1)  Very Shallow Dark Surface (F2)  Z com Muck (A10)  Depleted Below Dark Surface (A11)  Redox Dark Surface (F3)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  S cm Mucky Peat or Peat (S3)  Seteritricitive Layer (if observed):  Type:  Depth (inches):  Depth (inches):  Depth (inches):  Wetland Hydrology Indicators:  Verification (A3)  Hydric Soil Present? Yes No  No  No  Secondary Indicators (minimum of two required: check all that apply)  Seterarks (B1)  Saturation (A3)  True Aquatic Fauna (B13)  Sediment Deposits (B3)  Presence of Reduced Iron (C4)  Jing Boots (B3)  Sediment Deposits (B3)  Presence of Reduced Iron (C4)  Jing Boots (B3)  Presence of Reduced Iron (C4)  Jing Boots (B3)  Presence of Reduced Iron (C4)  Jing Boots (B5)  Jing Boots (B6)  Drainage Patterns (B10)  Drainage Pa			-/							— Dark Surface (S7)			
y 2 cm Muck (A10) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (F6) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Som Mucky Peat or Peat (S3) Extractive Layer (if observed): Type: Depth (inches): Depleted Dark Surface (F7) Redox Depressions (F8)  Wetland Hydrology must be present, unless disturbed or problematic.  Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) High Water Table (A2) Aquatic Fauna (B13) Saturation (A3) True Aquatic Plants (B14) Dyry-Season Water Table (C2) Water Marks (B1) Sediment Deposits (B2) Dorft Deposits (B2) Dorft Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) In Deposits (B5) In Deposits (B5) In Deposits (B5) In Muck Surface (F7) In M	Hydroge	n Sulfide (	A4)			Loamy I	Mucky Mi	neral (F1)					
Depleted Below Dark Surface (A11)			(5)		-								
Thick Dark Surface (A12) Depleted Dark Surface (F7)			10.	1844	1					Other (	Explain in Remarks)		
Sandy Mucky Mincral (S1)				(A11)	_					3Indicators	of hydrophytic vegetation and		
	_				_								
Type:				)		-	3.023				그리 주시다. 이번에 두 통이 하면서 하면 나는데 여러 시간에 어떤 것이다.		
Depth (inches):	estrictive L	Layer (if ol	bserved):										
Vertland Hydrology Indicators:  rrimary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Aquatic Fauna (B13)  Saturation (A3)  Truc Aquatic Plants (B14)  Water Marks (B1)  Oxidized Rhizospheres on Living Roots (C3)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Algal Mat or Crust (B4)  Agaiger (B5)  Induction Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Algal Observations:  Urface Water Present?  Yes  No  Depth (inches):  Vater Table Present?  Yes  No  Depth (inches):  Vettland hydrology verified with monitoring well, aerial photos, previous inspections), if available:  Vettland hydrology verified with monitoring wells in 2024 early growing season.													
Vertland Hydrology Indicators:  rimary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Surface Soil Cracks (B6)  High Water Table (A2)  Water-Stained Leaves (B9)  Surface Soil Cracks (B6)  Drainage Patterns (B10)  Saturation (A3)  True Aquatic Plants (B14)  Dry-Scason Water Table (C2)  Water Marks (B1)  Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2)  Oxidized Rhizospheres on Living Roots (C3)  Saturation Visible on Aerial Imagery (C9)  Drift Deposits (B3)  Presence of Reduced Iron (C4)  Iron Deposits (B5)  Iron Deposits (B5)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  ield Observations:  urface Water Present?  Yes  No  Depth (inches):  daturation Present?  Yes  No  Depth (inches):  describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Vettland hydrology verified with monitoring wells in 2024 early growing season.													
Secondary Indicators (minimum of two required) Surface Water (A1)	Type: Depth (inc	4								Hydric Soil	Present? Yes No		
Surface Water (A1)	Type: Depth (inc Remarks:	GY								Hydric Soil	Present? Yes <u>✓</u> No		
High Water Table (A2)	Type: Depth (inc Remarks:  YDROLO Vetland Hyd	GY drology In	dicators:				35.0						
Saturation (A3)	Type: Depth (inc Remarks:  YDROLO Vetland Hyd Primary Indic	GY drology In	dicators: imum of or		ired; check					Seconda	ry Indicators (minimum of two require		
Water Marks (B1)	Type: Depth (ind Remarks:  YDROLO Vetland Hyd Primary Indic Surface	GY drology In cators (min	dicators: imum of or		iired; check	Vater-Stai	ned Leav			Secondal Surfa	ry Indicators (minimum of two require ace Soil Cracks (B6)		
Sediment Deposits (B2)  Drift Deposits (B3)  Presence of Reduced Iron (C4)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Stunted or Stressed Plants (D1)  Algal Mat or Crust (B4)  Fecent Iron Reduction in Tilled Soils (C6)  Fac-Neutral Test (D5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Field Observations:  Furface Water Present?  Ves  No  Depth (inches):  Fac-Neutral Test (D5)  Wetland Hydrology Present? Yes  No  No  No  No  Depth (inches):  Forestier Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Wetland hydrology verified with monitoring wells in 2024 early growing season.	Type: Depth (inc Remarks:  YDROLO Vetland Hyo Primary Indic Surface High Wa	GY drology In eators (min Water (A1)	dicators: imum of or		iired; check V A	Water-Stai Aquatic Fa	ned Leav una (B13	)		Secondal Surfa	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10)		
Drift Deposits (B3)	Type: Depth (inc Remarks:  YDROLO Vetland Hyd Surface High Wa Saturatio	GY drology In eators (min Water (A1) ater Table ( on (A3)	dicators: imum of or		iired; check V A T	Water-Stai Aquatic Fa True Aqua	ned Leav una (B13 tic Plants	(B14)		Secondal Surfa Drain Dry-	ry Indicators (minimum of two required ace Soil Cracks (B6) mage Patterns (B10) Season Water Table (C2)		
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)  Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutral Test (D5)  Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9)  Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  ield Observations:  Surface Water Present? Yes No Depth (inches):  Vater Table Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  Staturation Present? Yes No Depth (inches):  Security Depth (in	Type: Depth (inc Remarks:  YDROLO  Vetland Hyd rimary Indic Surface High Wa Saturatic Water M	GY drology In eators (min Water (A1) ster Table ( on (A3) larks (B1)	dicators: imum of or ) A2)		iired; check V A T F	Vater-Stai Aquatic Fa Irue Aqua Hydrogen	ned Leav una (B13 tic Plants Sulfide O	(B14) dor (C1)	ing Roots	Secondal Surfa Drair Dry-4	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8)		
Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  ield Observations:  surface Water Present?	Type: Depth (ind Remarks:  YDROLO Vetland Hyd Primary Indic Surface High Wa Saturatio Water M Sedimer	GY drology In cators (min Water (A1) ater Table ( on (A3) larks (B1) at Deposits	dicators: imum of or ) A2)		ired; check V A T F	Vater-Stai Aquatic Fa True Aqua Hydrogen Oxidized F	ned Leav una (B13 tic Plants Sulfide O Rhizosphe	(B14) dor (C1) eres on Livi		Secondal Surfa Drair Dry-3 Cray (C3) Satu	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)		
Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  ield Observations:  surface Water Present?	Type: Depth (ind Remarks:  POROLO Vetland Hyd Irimary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep	GY drology In eators (min Water (A1) ster Table ( on (A3) larks (B1) nt Deposits posits (B3)	dicators: imum of or ) A2) (B2)		ired; check V A T C F	Vater-Stai Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence (	ned Leav una (B13 tic Plants Sulfide O Rhizosphe of Reduce	(B14) (B14) dor (C1) eres on Livied Iron (C4	1)	Secondal Surfa Drair Cray Cray (C3) Satu	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1)		
ield Observations:  Surface Water Present? Yes No / _ Depth (inches):  Vater Table Present? Yes No / _ Depth (inches):  Saturation Present? Yes No / _ Depth (inches):  Saturation Present? Yes No / _ Depth (inches):  Security of the present includes capillary fringe)  Subscribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Vetland hydrology verified with monitoring wells in 2024 early growing season.	Type: Depth (ind Remarks:  YDROLO Vetland Hyd Surface High Wa Saturatic Water M Sedimer Drift Dep	GY drology In eators (min Water (A1) ater Table ( on (A3) larks (B1) at Deposits posits (B3) at or Crust	dicators: imum of or ) A2) (B2)		ired; check	Water-Stai Aquatic Fa Frue Aqua Hydrogen Dxidized F Presence ( Recent Iro	ned Leave nuna (B13 tic Plants Sulfide O Rhizosphe of Reduce n Reducti	(B14) dor (C1) eres on Livied Iron (C4 ion in Tilled	1)	Secondal  Surfa  Drair  Dry-s  Cray  (C3) Satu  Stun  Georg	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)		
Aurface Water Present? Yes No Depth (inches):	Type: Depth (ind Remarks:  TOROLO  Vetland Hyd Trimary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep	GY drology In cators (min Water (A1) ater Table ( on (A3) larks (B1) at Deposits posits (B3) at or Crust posits (B5)	dicators: imum of or ) A2) (B2) (B4)	ne is requ	ired; check	Water-Stai Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence o Recent Iro Thin Muck	ned Leavena (B13) tic Plants Sulfide O Rhizosphe of Reduce n Reduct	(B14) dor (C1) eres on Livi ed Iron (C4 dion in Tilled	1)	Secondal  Surfa  Drair  Dry-s  Cray  (C3) Satu  Stun  Georg	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)		
Vater Table Present? Yes No V Depth (inches): Wetland Hydrology Present? Yes No	Type: Depth (ind Remarks:  POROLO Vetland Hyd Vetland Hyd Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatic Sparsely	GY drology In eators (min Water (A1) ster Table ( on (A3) larks (B1) nt Deposits posits (B3) at or Crust posits (B5) on Visible of Vegetated	dicators: imum of or ) A2) (B2) (B4)	ne is requ	ired; check	Water-Stai Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence o Recent Iro Thin Muck Gauge or N	ned Leavena (B13) tic Plants Sulfide O Rhizosphe of Reduce n Reduct Surface Well Data	(B14) dor (C1) eres on Livi ed Iron (C4 don in Tilled (C7) (D9)	1)	Secondal  Surfa  Drair  Dry-s  Cray  (C3) Satu  Stun  Georg	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)		
aduration Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No ncludes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Vetland hydrology verified with monitoring wells in 2024 early growing season.	Type: Depth (ind Remarks:  YDROLO Vetland Hyd Surface High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely	GY drology In cators (min Water (A1) ater Table ( on (A3) larks (B1) at Deposits cosits (B3) at or Crust cosits (B5) on Visible of Vegetated vations:	dicators: imum of or ) (A2) (B2) (B4) on Aerial Ir d Concave	ne is requ nagery (E Surface (	ired; check V A T G F F T 37) G (B8) C	Water-Stai Aquatic Fa Frue Aqua Hydrogen of Dxidized Foresence of Recent Iro Thin Muck Gauge or V	ned Leav una (B13 tic Plants Sulfide O Rhizosphe of Reduce n Reducti Surface Well Data	(B14) dor (C1) eres on Livi ed Iron (C4 don in Tilled (C7) (D9)	1)	Secondal  Surfa  Drair  Dry-s  Cray  (C3) Satu  Stun  Georg	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)		
ncludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Vetland hydrology verified with monitoring wells in 2024 early growing season.	Type: Depth (inc Remarks:  YDROLO Vetland Hyo Primary Indic Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely ield Observiturface Water	GY drology In eators (min Water (A1) ater Table ( on (A3) larks (B1) at Deposits (B3) at or Crust posits (B5) on Visible of Vegetated vations: er Present	dicators: imum of or ) A2) (B2) (B4) on Aerial Ir d Concave	nagery (E Surface	ired; check  V A T F F T 37) G (B8) ✓ G	Water-Stai Aquatic Fa Frue Aqua Hydrogen of Dxidized For Presence of Recent Iro Thin Muck Gauge or N Other (Exp	ned Leavena (B13 tic Plants Sulfide O Rhizosphe of Reduce n Reducti Surface Well Data blain in Reductiches):	(B14) (B14) dor (C1) eres on Livied Iron (C4 don in Tilled (C7) (D9) emarks)	t) d Soils (Co	Secondal  Surfa  Drair  Dry-s  Cray  (C3) Satu  Stun  Georg	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)		
Vetland hydrology verified with monitoring wells in 2024 early growing season.	Type: Depth (income and income and inco	GY drology In eators (min Water (A1) ater Table ( on (A3) larks (B1) nt Deposits cosits (B3) at or Crust cosits (B5) on Visible ( vegetated vations: er Present' Present?	dicators: imum of or ) A2) (B2) (B4) on Aerial Ir d Concave	nagery (E Surface (	ired; check V A T F F T 37) G (B8) ✓ G No ✓	Water-Stai Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck Gauge or N Other (Exp Depth (incompany)	ned Leav una (B13 tic Plants Sulfide O Rhizosphe of Reduct n Reduct Surface Well Data blain in Re ches): ches):	(B14) (B14) dor (C1) tres on Livi ed Iron (C4 don in Tilled (C7) (D9) emarks)	t) d Soils (Co	Secondal  Surfa  Drair  Pry-4  Cray  (C3) Satu  Stun  Good	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)		
Remarks:	Type: Depth (ind Remarks:  YDROLO Vetland Hyd Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Surface Water Table Surface Water Table Saturation Princludes cap	GY  drology In eators (min Water (A1) ater Table ( on (A3) larks (B1) at Deposits (B3) at or Crust posits (B5) on Visible of Vegetated vations: er Present? resent?	dicators: imum of or ) A2) (B2) (B4) on Aerial Ir d Concave Ye Ye	magery (E Surface of	ired; check  V A T F F T 37) G (B8) < C	Water-Stai Aquatic Fa Frue Aqua Hydrogen of Dividized For Presence of Recent Iro Thin Muck Gauge or N Other (Exp Depth (ind Depth (ind	ned Leavena (B13 tic Plants Sulfide O Rhizosphe of Reduce n Reducti Surface (Well Data plain in Reduction	(B14) (B14) dor (C1) eres on Livi ed Iron (C4 don in Tilled (C7) (D9) emarks)	d Soils (Co	Secondal Surfa Drair Cray Cray (C3) Satu Stun FAC	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)		
	Type:	GY  drology In cators (min Water (A1) ater Table ( on (A3) larks (B1) at Deposits (B3) at or Crust cosits (B5) on Visible ( v Vegetated vations: er Present? Present? resent?	dicators: imum of or ) A2) (B2) (B4) on Aerial Ir d Concave Ye Ye e)	magery (E Surface of es es	ired; check  V A T F G F T S7) G (B8) ✓ C  No ✓ No ✓ ronitoring we	Water-Stai Aquatic Fa Frue Aqua Hydrogen of District Fresence of Recent Iro Thin Muck Gauge or N Other (Exp Depth (incomplete (incomplete) Depth (incomplete)	ned Leavena (B13 tic Plants Sulfide O Rhizosphe of Reduce n Reducti Surface (Well Data plain in Reduction	(B14) (B14) dor (C1) eres on Livi ed Iron (C4 don in Tilled (C7) (D9) emarks)	d Soils (Co	Secondal Surfa Drair Dry- Cray (C3) Satu Stun FAC	ry Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)		

Project/Site: Tree Farm Property		City/Count	ty: Waukes	ha County Sampling Date: 2024-07-26
				State: Wisconsin Sampling Point: P3
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mikay				
Landform (hillslope, terrace, etc.): Shoulder				
Slope (%): <u>0-2</u> Lat: <u>42.953414</u>				
		_		
Soil Map Unit Name: Houghton muck, 0 to 2 percen				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrologysi	-			
Are Vegetation, Soil, or Hydrology na	aturally pro	blematic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map s	showing	sampli	ng point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	o 🗸			_
Hydric Soil Present? Yes ✓ No			the Sampled	
Wetland Hydrology Present? Yes No	o <u> </u>	Wit	ının a vvetian	d? Yes No <u></u>
Remarks:		'		
Sample point located in an old tree farm. APT a	analysis i	ndicates	s climatic c	conditions are in the wetter than normal range.
<b>VEGETATION</b> – Use scientific names of plants.				
		Dominar	nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)				Number of Dominant Species
1. <u>Tilia americana</u>				That Are OBL, FACW, or FAC:4 (A)
2. Quercus bicolor				Total Number of Dominant
3				Species Across All Strata:8 (B)
4		-		Percent of Dominant Species
5	· · ·	Total C		That Are OBL, FACW, or FAC: 50.00 (A/B)
Sapling/Shrub Stratum (Plot size:)	40.0	= rotar Co	over	Prevalence Index worksheet:
1. Acer negundo	10	Y	FAC	Total % Cover of: Multiply by:
2				OBL species <u>0.00</u> x 1 = <u>0.00</u>
3				FACW species 30.00 x 2 = 60.00
4				FAC species $35.00 \times 3 = 105.00$
5				FACU species <u>95.00</u> x 4 = <u>380.00</u>
Herb Stratum (Plot size:5 )	10.0	= Total Co	over	UPL species 10.00 x 5 = 50.00
1. Elymus repens	25	Υ	FACU	Column Totals: <u>170.00</u> (A) <u>595.00</u> (B)
2. Cirsium arvense		Y	FACU	Prevalence Index = $B/A = 3.5$
3. Impatiens capensis		Y	FACW	Hydrophytic Vegetation Indicators:
4. Urtica dioica	4 -	Υ	FAC	1 - Rapid Test for Hydrophytic Vegetation
5. Arctium minus	15	Y	FACU	2 - Dominance Test is >50%
6. <u>PASTINACA SATIVA</u>	10	N	<u>UPL</u>	3 - Prevalence Index is ≤3.0 <sup>1</sup>
7. Solanum dulcamara	10	N	_FAC_	4 - Morphological Adaptations¹ (Provide supporting
8. <u>Hesperis matronalis</u>		N	<u>FACU</u>	data in Remarks or on a separate sheet)
9. Solidago canadensis	5	N	<u>FACU</u>	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size:)	120.0	= Total Co	over	be present, unless disturbed or problematic.
1				
2				Hydrophytic Vegetation
				Present? Yes No
Remarks: (Include photo numbers here or on a separate s		= Total Co	over	
, , p	/			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth		Matrix		Redo	x Feature	s		_	
(inches)	<u>Color</u> (	(moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-24	N	2.5/0	85					MUCK	
	10YR	3/2	15					MUCK	
					. <u></u>				
	-					-	-		_
	-								
1	-							2.	
Type: C=Ce			etion, RM=	Reduced Matrix, MS	S=Masked	d Sand Gra	ains.		PL=Pore Lining, M=Matrix. roblematic Hydric Soils <sup>3</sup> :
✓ Histosol		•		Sandy	Sleyed Ma	otriv (SA)			e Redox (A16)
	oipedon (A:	2)		Sandy F	•	, ,			
Black Hi		_,			d Matrix (			— Dark Surface	,
	en Sulfide (			Loamy I	Mucky Mi	neral (F1)		=	nese Masses (F12)
	d Layers (A	(5)			Gleyed M			•	v Dark Surface (TF12)
_✓ 2 cm Mu		ork Curtos-	(//11)		d Matrix (			Other (Expla	in in Remarks)
-	d Below Da ark Surface		(A11)		Dark Surfa d Dark Si	ace (F6) urface (F7)		<sup>3</sup> Indicators of by	drophytic vegetation and
	lucky Mine	,			Depressio				ology must be present,
5 cm Mu	icky Peat c	or Peat (S3	5)	<u> </u>		` ,			bed or problematic.
Restrictive I	Layer (if ol	bserved):							
Type:									-
Depth (in	ches):							Hydric Soil Prese	ent? Yes No
Remarks:	~ r ~ ~ ~ i ~	aail							
Drained	organic	5011							
HYDROLO	GY								
Wetland Hy	drology In	dicators:							
Primary India	cators (min	imum of or	ne is requir	ed; check all that ap	ply)			Secondary Inc	licators (minimum of two required)
	Water (A1)	,		Water-Stai					oil Cracks (B6)
_	ater Table (	(A2)		Aquatic Fa					Patterns (B10)
Saturation				True Aqua					on Water Table (C2)
l —	larks (B1)	(5.0)		Hydrogen				Crayfish E	
	nt Deposits	s (B2)		Oxidized R			-		No Visible on Aerial Imagery (C9)
	oosits (B3)	(D4)		Presence					r Stressed Plants (D1)
	at or Crust oosits (B5)	(□4)		Recent Iro Thin Muck			a Solis (Cb	) Geomorpi FAC-Neut	nic Position (D2)
	, ,	on Aerial Ir	magery (B7			` '		FAC-Neur	iai 1681 (D0)
			Surface (E						
Field Obser		55115416	24.1400 (L	001 (EXP					
Surface Wat		? Ye	es N	No _ ✓ Depth (ind	ches):				
Water Table				No✓ Depth (inc					
Saturation P				No _✓ Depth (inc				and Hydrology Pres	sent? Yes No _
(includes car	oillary fringe	e)			•				
Describe Re	corded Dat	ta (stream	gauge, mo	nitoring well, aerial p nydrology dur	photos, pi	revious ins rlv 20つ	pections), 4 arowi	if available:	
	not uis	play W	Charlu I	iyarology dur	ing ca	119 202	- growi	ng season.	
Remarks: No hydro	ology in	dicator	e nrece	nt					
	•	uicator	a hiese	iit.					
Soil profi	i <del>c</del> ury								

Date: 2024-07-26
oint: P4
VGS84
ne
Yes ✓ No
arks.)
ant features, etc.
nan normal range.
3 (A)
4
4 (B)
75.00 (1.0)
75.00 (A/B)
1
Multiply by:
=0.00
= 40.00
= 210.00
= 40.00
340.00
340.00 (B)
3.09
tors:
c Vegetation
s1 (Provide supporting
eparate sheet)
getation <sup>1</sup> (Explain)
and hydrology must
roblematic.
7.
No
1,4

SOIL	Sampling Point: P4
Profile Description: (Describe to the depth peeded to decument the	indicator or confirm the absence of indicators \

0-18 N	(moist)	0.1		Features						
STRUCTURE BURGERY		%	Color (moist)	%	Type <sup>1</sup> 1		exture		Remarks	
1221	2.5/0	100				N	1UCK			
18-24 10YR	3/1	100				<u></u> F	PEAT			
ype: C=Concentrat		etion, RM=Re	educed Matrix, MS:	=Masked S	Sand Grains				Pore Lining,	
ydric Soil Indicator	s:					- II			matic Hydric	: Soils*:
Histosol (A1)			Sandy GI	eyed Ma <b>t</b> ri	ix (S4)	-	_ Coast F	rairie Red	ox (A16)	
_ Histic Epipedon (	A2)		— Sandy Re			_	_ Dark St	urface (S7)		
<ul><li>Black Histic (A3)</li><li>Hydrogen Sulfide</li></ul>	(Δ4)			Matrix (Sō ucky Mine			_ Iron-Ma	nganese M	Masses (F12)	
Stratified Layers				leyed Matr			_ Very Sh	nallow Dari	k Surface (TF	12)
2 cm Muck (A10)	,			Matrix (F3				Explain in		
_ Depleted Below [	ark Surface	(A11)	The second secon	ark Surface					1000	
_ Thick Dark Surface				Dark Surfa		3	Indicators	of hydroph	ytic vegetation	on and
Sandy Mucky Mir			Redox De	epressions	(F8)				must be pre	
_ 5 cm Mucky Peat		)			7 A'		unless	disturbed o	or problemation	0.
estrictive Layer (if	observed):									
Туре:			-			113				
Depth (inches):			_			Hy	dric Soil I	Present?	Yes _	No
	C SOII									
YDROLOGY									Ye	
/DROLOGY /etland Hydrology I	ndicators:	ne is required	; check all that app	ly)			Secondal	ry Indicato	rs (minimum	of two required
/DROLOGY /etland Hydrology l	ndicators: nimum of on	ne is required	; check all that app Water-Stain	Value In a la	s (B9)			ry Indicato		of two required
'DROLOGY 'etland Hydrology I rimary Indicators (mi	ndicators: nimum of on	e is required		ed Leaves	s (B9)		Surfa		acks (B6)	of two required
'DROLOGY (etland Hydrology I rimary Indicators (m _ Surface Water (A	ndicators: nimum of on	ne is required	Water-Stain	ed Leaves ina (B13)			Surfa	ace Soil Cr nage Patte	acks (B6)	
/DROLOGY /etland Hydrology I rimary Indicators (mi _ Surface Water (A _ High Water Table _ Saturation (A3) _ Water Marks (B1)	ndicators: nimum of on 1) (A2)	ne is required	Water-Stain	ed Leaves ina (B13) c Plants (B	314)		Surfa Drain Dry-9	ace Soil Cr nage Patte	rns (B6) rns (B10) ater Table (C	
TOROLOGY  Tetland Hydrology I  Timary Indicators (mi  Surface Water (A  High Water Table  Saturation (A3)  Water Marks (B1)  Sediment Deposi	ndicators: nimum of on 1) (A2)	ne is required	Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere	314) or (C1) es on Living	Roots (C3)	Surfa Drain Dry-8 Cray Satu	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit	racks (B6) rns (B10) ater Table (Cays (C8) ole on Aerial	2) magery (C9)
TOROLOGY  Tetland Hydrology I  Timary Indicators (mi  Surface Water (A  High Water Table  Saturation (A3)  Water Marks (B1)  Sediment Deposit  Drift Deposits (B3)	ndicators: nimum of on 1) (A2) s (B2)	e is required	Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced	314) or (C1) es on Living Iron (C4)		Surfa Drair Dry-\$ Cray Satur	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre	acks (B6) rns (B10) ater Table (Cays (C8) vs (C8) ble on Aerial ( ssed Plants (	2) magery (C9)
/DROLOGY /etland Hydrology I rimary Indicators (mi Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposi Drift Deposits (B3 Algal Mat or Crus	ndicators: nimum of on 1) (A2) s (B2) ) t (B4)	ne is required	Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced Reduction	314) or (C1) es on Living Iron (C4) or in Tilled S		Surfa Drair Dry-S Cray Satur Stund	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre morphic Po	acks (B6) rns (B10) ater Table (Covs (C8) ble on Aerial ssed Plants ( position (D2)	2) magery (C9)
/DROLOGY /etland Hydrology I rimary Indicators (mi Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5	ndicators: nimum of on 1) (A2) s (B2) ) t (B4)		Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced Reduction Surface (C	B14) or (C1) os on Living Iron (C4) on in Tilled S 7)		Surfa Drair Dry-S Cray Satur Stund	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre	acks (B6) rns (B10) ater Table (Covs (C8) ble on Aerial ssed Plants ( position (D2)	2) magery (C9)
/DROLOGY /etland Hydrology I rimary Indicators (mi Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5	ndicators: nimum of on 1) (A2) s (B2) ) t (B4) ) on Aerial In	nagery (B7)	Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced Reduction Surface (C' /ell Data (B	314) or (C1) os on Living Iron (C4) on in Tilled S 7)		Surfa Drair Dry-S Cray Satur Stund	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre morphic Po	acks (B6) rns (B10) ater Table (Covs (C8) ble on Aerial ssed Plants ( position (D2)	2) magery (C9)
rimary Indicators (mi Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Inundation Visible Sparsely Vegetat	ndicators: nimum of on 1) (A2) s (B2) ) t (B4) ) on Aerial In	nagery (B7)	Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced Reduction Surface (C' /ell Data (B	314) or (C1) os on Living Iron (C4) on in Tilled S 7)		Surfa Drair Dry-S Cray Satur Stund	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre morphic Po	acks (B6) rns (B10) ater Table (Covs (C8) ble on Aerial ssed Plants ( position (D2)	2) magery (C9)
/DROLOGY /etland Hydrology I rimary Indicators (mi _ Surface Water (A _ High Water Table _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposi _ Drift Deposits (B3 _ Algal Mat or Crus _ Iron Deposits (B5 _ Inundation Visible _ Sparsely Vegetat ield Observations:	ndicators: nimum of on  1) (A2) s (B2) t (B4) on Aerial Ined Concave	nagery (B7) Surface (B8	Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Explain	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced Reduction Surface (C' /ell Data (D ain in Rem	B14) or (C1) os on Living Iron (C4) on in Tilled S 7) D9)		Surfa Drair Dry-S Cray Satur Stund	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre morphic Po	acks (B6) rns (B10) ater Table (Covs (C8) ble on Aerial ssed Plants ( position (D2)	2) magery (C9)
YDROLOGY  Vetland Hydrology I  Trimary Indicators (m)  Surface Water (A  High Water Table  Saturation (A3)  Water Marks (B1)  Sediment Deposit  Drift Deposits (B3  Algal Mat or Crus  Iron Deposits (B5  Inundation Visible  Sparsely Vegetat  ield Observations:	ndicators: nimum of on  1) (A2) s (B2) ) t (B4) ) on Aerial In ed Concave	nagery (B7) Surface (B8	Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expla	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced Reduction Surface (C' /ell Data (D ain in Rem	and and an analysis on Living Iron (C4) an in Tilled S 7) D9) Darks)		Surfa Drair Dry-S Cray Satur Stund	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre morphic Po	acks (B6) rns (B10) ater Table (Covs (C8) ble on Aerial ssed Plants ( position (D2)	2) magery (C9)
rimary Indicators (mi Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Inundation Visible Sparsely Vegetat ield Observations: urface Water Present?	ndicators: nimum of on 1) (A2) s (B2) t (B4) on Aerial Ined Concave t? Ye	nagery (B7) Surface (B8	Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Explain	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced Reduction Surface (C' /ell Data (D ain in Rem nes):	and and an analysis on Living Iron (C4) an in Tilled S 7) D9) harks)	oils (C6)	Surfa Drain Dry-5 Cray Satun Stun Geor FAC-	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre morphic Po	acks (B6) rns (B10) ater Table (Cays (C8) ble on Aerial (Sassed Plants (Sassed Plants (D2) best (D5)	2) magery (C9) D1)
/DROLOGY /etland Hydrology I rimary Indicators (mi _ Surface Water (A _ High Water Table _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposit _ Drift Deposits (B3 _ Algal Mat or Crus _ Iron Deposits (B5 _ Inundation Visible _ Sparsely Vegetat ield Observations: urface Water Present /ater Table Present?	ndicators: nimum of on 1) (A2) s (B2) ) t (B4) ) on Aerial Ined Concave t? Ye Ye	nagery (B7) Surface (B8	Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expla	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced Reduction Surface (C' /ell Data (D ain in Rem nes):	and and an analysis on Living Iron (C4) an in Tilled S 7) D9) harks)	oils (C6)	Surfa Drain Dry-5 Cray Satun Stunn Geor FAC-	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre morphic Po	acks (B6) rns (B10) ater Table (Covs (C8) ble on Aerial ssed Plants ( position (D2)	2) magery (C9) D1)
YDROLOGY Vetland Hydrology I Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Inundation Visible Sparsely Vegetat Vetland Observations: Vetl	ndicators: nimum of on  1) (A2)  s (B2) ) t (B4) ) on Aerial In ed Concave  t? Ye Ye ge)	nagery (B7) Surface (B8) es No es No	Water-Stain Aquatic Fau Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Explain  ✓ Depth (inch ✓ Depth (inch	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced Reduction Surface (C' /ell Data (D ain in Rem nes):	and the state of t	oils (C6)  Wetland I	Surfa Drain Dry-8 Satur Sturn Geor FAC-	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre morphic Po Neutral Te	acks (B6) rns (B10) ater Table (C. vs (C8) ble on Aerial ssed Plants ( position (D2) est (D5)  Yes	2) Imagery (C9) D1)
High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3) Algal Mat or Crus Iron Deposits (B5) Inundation Visible Sparsely Vegetat Selface Water Present Vater Table Present? Saturation Present? Sincludes capillary frin Describe Recorded D	ndicators: nimum of on  1) (A2)  s (B2) ) t (B4) ) on Aerial In ed Concave  t? Ye Ye ge)	nagery (B7) Surface (B8) es No es No	Water-Stain Aquatic Fau Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Explain  ✓ Depth (inch ✓ Depth (inch	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced Reduction Surface (C' /ell Data (D ain in Rem nes):	and the state of t	oils (C6)  Wetland I	Surfa Drain Dry-8 Satur Sturn Geor FAC-	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre morphic Po Neutral Te	acks (B6) rns (B10) ater Table (C. vs (C8) ble on Aerial ssed Plants ( position (D2) est (D5)  Yes	2) Imagery (C9) D1)
rimary Indicators (mi Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Inundation Visible Sparsely Vegetat ield Observations: urface Water Present vater Table Present? aturation Present? necludes capillary frin rescribe Recorded D	ndicators: nimum of on  1) (A2)  s (B2) ) t (B4) ) on Aerial In ed Concave  t? Ye Ye ge) ata (stream of one y wetland	nagery (B7) Surface (B8) es No es No es No gauge, monit hydrology	Water-Stain Aquatic Fau Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Explain  ✓ Depth (inch	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced Reduction Surface (C' /ell Data (D ain in Rem nes):	and the state of t	oils (C6)  Wetland I	Surfa Drain Dry-8 Satur Sturn Geor FAC-	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre morphic Po Neutral Te	acks (B6) rns (B10) ater Table (C. vs (C8) ble on Aerial ssed Plants ( position (D2) est (D5)  Yes	2) Imagery (C9) D1)
/DROLOGY /etland Hydrology I rimary Indicators (mi _ Surface Water (A _ High Water Table _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposit _ Drift Deposits (B3 _ Algal Mat or Crus _ Iron Deposits (B5 _ Inundation Visible _ Sparsely Vegetat ield Observations: urface Water Preser /ater Table Present? aturation Present? aturation Present? ncludes capillary frin lescribe Recorded D W2 did not displa	ndicators: nimum of on  1) (A2)  s (B2) ) t (B4) ) on Aerial In ed Concave  t? Ye Ye ge) ata (stream of one y wetland	nagery (B7) Surface (B8) es No es No es No gauge, monit hydrology	Water-Stain Aquatic Fau Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Explain  ✓ Depth (inch	ed Leaves ina (B13) c Plants (B ulfide Odo nizosphere f Reduced Reduction Surface (C' /ell Data (D ain in Rem nes):	and the state of t	oils (C6)  Wetland I	Surfa Drain Dry-8 Satur Sturn Geor FAC-	ace Soil Cr nage Patte Season Wa fish Burrov ration Visit ted or Stre morphic Po Neutral Te	acks (B6) rns (B10) ater Table (C. vs (C8) ble on Aerial ssed Plants ( position (D2) est (D5)  Yes	2) Imagery (C9) D1)

Project/Site: Tree Farm Property	(	City/Co	unty: _	Waukes	sha County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises					State: Wisconsin Sampling Point: P5
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mikay	la Datka	Section	n, Towi	nship, Rar	nge: sec 30 T006N R020E
Landform (hillslope, terrace, etc.): Backslope			Lo	cal relief (	(concave, convex, none): None
Slope (%): <u>0-2</u> Lat: <u>42.955173</u>		Long: <u>-</u>	-88.1	72284	Datum: WGS84
Soil Map Unit Name: Houghton muck, 0 to 2 percent	slopes				NWI classification: None
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes	s	No	✓ (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology sig	nificantly	disturbe	ed?	Are "l	Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology na	turally pro	blemati	ic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map s	howing	samp	pling	point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Yes _ ✓ No  Yes _ ✓ No  Wetland Hydrology Present?  Yes _ ✓ No				Sampled a Wetlan	Area ad? Yes <u>√</u> No
Remarks: Sample point located in a hardwood swamp within a hist than normal range.	orically pla	anted t	ree fa	rm. APT a	analysis indicates climatic conditions are in the wetter
<b>VEGETATION</b> – Use scientific names of plants.					
Tree Stratum (Plot size: 30 )	Absolute % Cover				Dominance Test worksheet:
1. Acer saccharinum					Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
2. Quercus bicolor	40	Y		FACW_	Total Number of Dominant
3				_	Species Across All Strata: 5 (B)
4		-			Percent of Dominant Species
5		Tatal			That Are OBL, FACW, or FAC: 80.00 (A/B)
Sapling/Shrub Stratum (Plot size:)	90.0	= 10tai	Cove	Γ	Prevalence Index worksheet:
1. Malus ioensis; Pyrus ioensis	10	<u>Y</u>		UPL	Total % Cover of: Multiply by:
2		-			OBL species <u>0.00</u> x 1 = <u>0.00</u>
3					FACW species 100.00 x 2 = 200.00
4					FAC species $0.00 \times 3 = 0.00$
5					FACU species 0.00 x 4 = 0.00
Herb Stratum (Plot size: 5 )	10.0	= Total	I Cove	r	UPL species $10.00 \times 5 = 50.00$
1. Impatiens capensis	5	Υ		FACW	Column Totals: <u>110.00</u> (A) <u>250.00</u> (B)
2. Bidens frondosa		Υ		FACW	Prevalence Index = B/A = 2.27
3					Hydrophytic Vegetation Indicators:
4					1 - Rapid Test for Hydrophytic Vegetation
5					✓ 2 - Dominance Test is >50%
6					✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
7					<ul> <li>4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> </ul>
8					Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
9					— Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum (Plot size: 30 )	10.0	= Total			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1 2					Hydrophytic
2.					Vegetation Present? Yes No
Remarks: (Include photo numbers here or on a separate sh		= Total	I Cove	r	
Malís ioensis appears stressed/dying. H	,	atum	mu	ch mor	e sparse than surrounding uplands.

Profile Des	cription: (I	Describe t	to the dept	h needed to docu	ment the	indicator	or confir	m the absence of indicators.)
Depth		Matrix			x Feature		2	
(inches)	Color (			Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	· · · · · · · · · · · · · · · · · · ·
<u>0-10</u>	N	2.5/0	100			<u> </u>		MUCK
10-24	N	2.5/0	85		_			MUCK
	10YR	3/2	15					MUCK
								-
-			-		_			
	-				-			·
	-							· ——
			etion, RM=	Reduced Matrix, M	S=Masked	d Sand Gra	ains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil		:						Indicators for Problematic Hydric Soils <sup>3</sup> :
/_ Histoso	` '	2)			Gleyed Ma			Coast Prairie Redox (A16)
	Epipedon (A2 Histic (A3)	<b>2</b> )		— Sandy I	Redox (S5 d Matrix (\$			— Dark Surface (S7)
l ——	en Sulfide (	A4)			,	neral (F1)		Iron-Manganese Masses (F12)
-	ed Layers (A				Gleyed M			Very Shallow Dark Surface (TF12)
2 cm M	` ,				ed Matrix (	,		Other (Explain in Remarks)
	ed Below Da		e (A11)		Dark Surfa	. ,		3
	ark Surface	. ,				urface (F7)	)	<sup>3</sup> Indicators of hydrophytic vegetation and
	Mucky Mine ucky Peat o		8)	Redox	Depressio	ns (F8)		wetland hydrology must be present, unless disturbed or problematic.
Restrictive								unicas disturbed of problematic.
		•						
	nches):			<del></del>				Hydric Soil Present? Yes No
Remarks:				<del></del>				
HYDROLC	OGY							
Wetland Hy		dicators:						
			ne is require	ed; check all that a	(vlac			Secondary Indicators (minimum of two required)
	Water (A1)			Water-Sta		res (B9)		Surface Soil Cracks (B6)
_	ater Table (			Aquatic Fa	auna (B13	3)		Drainage Patterns (B10)
Saturati		,		True Aqua				Dry-Season Water Table (C2)
Water N	Marks (B1)			Hydrogen	Sulfide O	dor (C1)		Crayfish Burrows (C8)
Sedime	ent Deposits	(B2)		Oxidized I	Rhizosphe	eres on Liv	ing Roots	(C3) Saturation Visible on Aerial Imagery (C9)
✓ Drift De	posits (B3)			Presence	of Reduce	ed Iron (C4	1)	Stunted or Stressed Plants (D1)
Algal M	at or Crust	(B4)		Recent Iro	n Reducti	ion in Tille	d Soils (C	(6) <u>√</u> Geomorphic Position (D2)
Iron De	posits (B5)			Thin Mucl	Surface	(C7)		✓ FAC-Neutral Test (D5)
Inundat	tion Visible o	on Aerial II	magery (B7	) Gauge or	Well Data	(D9)		
Sparsel	ly Vegetated	d Concave	Surface (B	88) Other (Ex	plain in Re	emarks)		
Field Obser	rvations:							
Surface Wa	ter Present	? Ye	es N	lo <u>√</u> Depth (in	ches):			
Water Table	Present?	Ye	es N	lo✓ Depth (in	ches):			
Saturation F			es <u>√</u> N	lo Depth (in	ches):	20	Wet	tland Hydrology Present? Yes No
(includes ca	pillary fringe	e) :a (stream	nalide moi	nitoring well, aerial	nhotos ni	raviaus ins	nections)	if available:
Describe No	coraca Dat	a (Stream	gauge, moi	mioning wen, aeriai	priotos, pi	CVIOUS IIIS	pections	, ii availabic.
Remarks:								
	resent ir	n some	pocket	s throughout	the su	rround	ing we	tland area.
			•	9			5	

Project/Site: Tree Farm Property		City/Co	ounty:	Waukes	Sha County Sampling Date: 2024-07-26
•					State: Wisconsin Sampling Point: P6
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mikay					
Landform (hillslope, terrace, etc.): Backslope					
Slope (%): <u>0-2</u> Lat: <u>42.954882</u>					
Soil Map Unit Name: Houghton muck, 0 to 2 percen					
Are climatic / hydrologic conditions on the site typical for this	•			_	
Are Vegetation, Soil, or Hydrologysi	•				
Are Vegetation, Soil, or Hydrologyna					eded, explain any answers in Remarks.)
				,	
SUMMARY OF FINDINGS – Attach site map s	snowing	sam	piing	g point ic	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	D		Is the	e Sampled	Area
Hydric Soil Present? Yes No				_	nd? Yes No <u>√</u>
Wetland Hydrology Present? Yes No	o <u> </u>				
Remarks: Sample point located in an old tree farm. APT a	analveje i	ndica	itas (	climatic c	conditions are in the wetter than normal range
Sample point located in all old tree farm. At 1 a	ai iaiysis i	liuica	iics i		onditions are in the wetter than normal range.
<b>VEGETATION</b> – Use scientific names of plants.					
	Absolute				Dominance Test worksheet:
Tree Stratum (Plot size:30) 1					Number of Dominant Species That Are OBL, FACW, or FAC:3 (A)
2					Total Number of Dominant Species Across All Strata: 4 (B)
4					
5.					Percent of Dominant Species That Are OBL, FACW, or FAC: 75.00 (A/B)
	0	= Tota	l Cov	er	
Sapling/Shrub Stratum (Plot size: 15 )	45		,	LIDI	Prevalence Index worksheet:
1. Malus ioensis; Pyrus ioensis					
2. <u>Acer negundo</u>					FACW species $20.00 \times 2 = 40.00$
3					FAC species $80.00 \times 3 = 240.00$
5					FACU species 0.00 x 4 = 0.00
	25.0				UPL species <u>15.00</u> x 5 = <u>75.00</u>
Herb Stratum (Plot size: 5 )			_		Column Totals: <u>115.00</u> (A) <u>355.00</u> (B)
1. Ambrosia trifida		Y	,	FAC	Prevalence Index = B/A = 3.09
2. Impatiens capensis		Y		FACW	Hydrophytic Vegetation Indicators:
3. <u>Geum canadense</u>				FAC	1 - Rapid Test for Hydrophytic Vegetation
4       5					✓ 2 - Dominance Test is >50%
6.					3 - Prevalence Index is ≤3.0 <sup>1</sup>
7					4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8.					data in Remarks or on a separate sheet)
9					Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10					1
Woody Vine Stratum (Plot size:30)	90.0	= Tota	l Cov	er	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1					Hydrophytic
2					Vegetation Present?  Yes   ✓ No   ———
		= Tota	l Cov	er	Tesent: Tes_v NO
Remarks: (Include photo numbers here or on a separate s	sheet.)				

Profile Des	cription: (Descr	ibe to the dep	th need	ed to docu	ment the	indicator	or confirn	n the absence	of indicators.)
Depth	Matr	ix			ox Featur	es			
(inches)	Color (moist	) %	Colo	r (moist)	%_	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-24	_10YR 2/	1 100						MUCK	
-	· ·		-						
	<u></u>								
	· ·		-						
	· ·								
<sup>1</sup> Type: C=C	Concentration, D=	Depletion, RM	=Reduce	d Matrix. M	S=Maske	ed Sand Gr	ains.	<sup>2</sup> l oc	ation: PL=Pore Lining, M=Matrix.
	Indicators:								for Problematic Hydric Soils <sup>3</sup> :
√ Histoso	J (A1)			Sandy	Gleved M	latrix (S4)			Prairie Redox (A16)
	pipedon (A2)		-		Redox (S	, ,		<del></del>	, ,
	listic (A3)		-		ed Matrix (			— Dark Sı	urface (S7)
	en Sulfide (A4)		-			ineral (F1)		Iron-Ma	anganese Masses (F12)
	ed Layers (A5)		-			Matrix (F2)		Very Sh	hallow Dark Surface (TF12)
2 cm M			-		ed Matrix	. ,		Other (	Explain in Remarks)
	ed Below Dark Su	rface (A11)	-		Dark Sur			`	•
-	ark Surface (A12		-			urface (F7)	)	<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy I	Mucky Mineral (S	1)			Depressi				I hydrology must be present,
5 cm M	ucky Peat or Pea	t (S3)						unless	disturbed or problematic.
Restrictive	Layer (if observ	ed):							
Type:									
	nches):							Hydric Soil	Present? Yes ✓ No
HYDROLO	OGY								
Wetland Hy	/drology Indicate	ors:							
_	icators (minimum		red: chec	rk all that a	nnly)			Seconda	ry Indicators (minimum of two required
	Water (A1)	or one is requ		Water-Sta		voc (PO)			
	` ,			=		, ,			ace Soil Cracks (B6)
l —	ater Table (A2)			Aquatic F	,	,		<del></del>	nage Patterns (B10)
Saturat	, ,			True Aqu		` '			Season Water Table (C2)
	Marks (B1)			Hydrogen					fish Burrows (C8)
	ent Deposits (B2)			Oxidized			-	· / —	ration Visible on Aerial Imagery (C9)
Drift De				Presence					ted or Stressed Plants (D1)
_	lat or Crust (B4)			Recent Ire			d Soils (C6	· —	morphic Position (D2)
Iron De				Thin Muc		` '		FAC	-Neutral Test (D5)
Inundat	tion Visible on Ae	rial Imagery (B	7)	Gauge or	Well Data	a (D9)			
Sparsel	ly Vegetated Con	cave Surface (	B8)	Other (Ex	plain in R	emarks)			
Field Obse	rvations:			-		-		·	
Surface Wa	ter Present?	Yes	No <u>√</u>	_ Depth (ir	nches):				
Water Table	e Present?	Yes	No <u></u> ✓	_ Depth (ir	nches):				
Saturation F	Present?	Yes	No <u></u> ✓	_ Depth (ir	nches):		Wetl	and Hydrology	Present? Yes No
(includes ca	pillary fringe)							-	
	ecorded Data (stre d not display								n.
Remarks:	. 1	1							
_	ology indica	tors prese	ent.						
Soil prof	ile dry								

Project/Site: Tree Farm Property	(	City/Coun	ty: Waukesh	na County Sampling Date: 2024-07-26
• •				State: Wisconsin Sampling Point: P7
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mikay				
Landform (hillslope, terrace, etc.): Shoulder				
Slope (%): 3-7 Lat: 42.955499			•	, <u> </u>
Soil Map Unit Name: Pella silt loam, 0 to 2 percent s			_	
Are climatic / hydrologic conditions on the site typical for this	•			
Are Vegetation, Soil, or Hydrology sign				Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology na	aturally pro	blematic?	(If nee	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map s	howing	sampli	ng point lo	cations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	1			
Hydric Soil Present? Yes ✓ No			the Sampled A	
Wetland Hydrology Present? Yes No		Wit	tnin a wetiand	d? Yes No <u>√</u>
Remarks:				
Sample point located in an upland meadow. APT	analysis	s indicat	tes climatic o	conditions are in the wetter than normal range.
<b>VEGETATION</b> – Use scientific names of plants.				
	Absolute	Dominar	nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species	? Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant
3				Species Across All Strata:4 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 25.00 (A/B)
Sapling/Shrub Stratum (Plot size: 15 )	0	= Total C	over	Prevalence Index worksheet:
1. Acer negundo	5	Υ	FAC	Total % Cover of: Multiply by:
2.				OBL species <u>0.00</u> x 1 = <u>0.00</u>
3.				FACW species 10.00 x 2 = 20.00
4				FAC species $20.00 \times 3 = 60.00$
5				FACU species <u>80.00</u> x 4 = <u>320.00</u>
	5.0	= Total C	over	UPL species $15.00 \times 5 = 75.00$
Herb Stratum (Plot size: 5 )	20	V	EVOL	Column Totals: <u>125.00</u> (A) <u>475.00</u> (B)
1. <u>Cirsium arvense</u>	30		FACU FACU	Prevalence Index = $B/A = 3.8$
Lactuca serriola     Solidago canadensis			FACU FACU	Hydrophytic Vegetation Indicators:
4. Daucus carota	4.5	N	UPL	1 - Rapid Test for Hydrophytic Vegetation
5. Ambrosia trifida	10	N	FAC	2 - Dominance Test is >50%
6. Phalaris arundinacea		N	FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>
7. <u>Urtica dioica</u>		N	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8.				data in Remarks or on a separate sheet)
9.				— Problematic Hydrophytic Vegetation¹ (Explain)
10				
Woody Vine Stratum (Plot size:)	120.0	= Total C	over	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1				Hydrophytic
2				Vegetation
	0	= Total C	over	Present? Yes No
Remarks: (Include photo numbers here or on a separate sl		- TOTAL C	0 4 01	
	-			

Profile Des	cription: (D	escribe	to the dep	th needed	to docu	ment the i	indicator	or conf	firm the	absenc	e of inc	dicators.)		
Depth		Matrix				x Feature	s							
(inches)	Color (r	noist)	%	Color (ı	moist)	%	Type'	_Loc <sup>2</sup>	<u> </u>	exture		R	emarks	
0-13	<u>10YR</u>	2/1	100						N	<u>IUCK</u>				
13-24	<u>10YR</u>	5/1	70	10YR	5/8	30	C	M		SIC				
				'										
				-		_								
			-			_								
	-		-	-			·							
<del> </del>						-								
	oncentration	, D=Dep	etion, RM	=Reduced I	Matrix, M	S=Masked	d Sand Gra	ains.	1.				Lining, M=M	
Hydric Soil					0	01	- (						Hydric Soil	S:
Histosol	i (A1) pipedon (A2)	١				Gleyed Ma						e Redox (A	(16)	
✓ Histic L		,				Redox (S5 d Matrix (S			-	— Dark	Surface	e (S7)		
	en Sulfide (A	4)				Mucky Mir					•	ese Masse	, ,	
Stratifie	d Layers (A5	5)				Gleyed Ma							face (TF12)	
2 cm Mi	, ,					ed Matrix (			-	_ Othe	r (Expla	in in Rema	arks)	
	d Below Dar		e (A11)		_	Dark Surfa	. ,		3	L. P t.		dan alan dan		
	ark Surface  Mucky Miner					ed Dark St Depressio	urface (F7)						regetation and the present,	a .
	ucky Peat or		3)	_	_ NCGOX	Бергеззіо	113 (1 0)				•	bed or pro		
Restrictive												•		
Type:														
Depth (in	ches):								Hy	dric So	il Prese	ent? Yes	s <u> </u>	о
Remarks:									I					
Drained	organic	soil												
HYDROLO	GY													
Wetland Hy	drology Ind	icators:												
Primary Indi	cators (minir	num of o	ne is requi	red; check	all that ap	oply)				Second	dary Ind	licators (mi	inimum of two	required)
Surface	Water (A1)			\	Vater-Sta	ined Leav	es (B9)			Su	ırface S	oil Cracks	(B6)	
High Wa	ater Table (A	(2)		/	Aquatic Fa	auna (B13	5)			Dr	ainage	Patterns (E	310)	
Saturati	on (A3)					atic Plants	` '			Dr	y-Seaso	on Water T	able (C2)	
Water N	, ,				-	Sulfide O						Burrows (C		
	nt Deposits (	(B2)					res on Livi	-	ots (C3)				Aerial Image	ery (C9)
l —	posits (B3)	2.4)		·			ed Iron (C4	,	(00)				Plants (D1)	
_	at or Crust (E	34)					on in Tilled	o Solis (	(C6)			nic Position		
Iron Del	posiเร (ธร) ion Visible oi	n Aprial I	madery (R			c Surface ( Well Data	` '			F	AC-Meut	ral Test (D	15)	
	y Vegetated		0 , (		-	plain in Re								
Field Obser			- Canaco (	(	Julion (EX	piaii iii ite	, marrio,							
Surface Wat		Y	es	No <u></u> ✓	Depth (in	ches):								
Water Table				No <u>√</u>										
Saturation P				No <u>√</u>					letland l	Hvdrolo	av Pres	sent? Ye	es N	lo 🗸
(includes ca	pillary fringe	)									9,			
Describe Re	corded Data	(stream	gauge, mo	onitoring we	ell, aerial	photos, pr	evious ins	pections	ns), if ava	ailable:				
Remarks: No hydro	ology ind	licator	e nreec	nt										
Soil prof		iioaiUl	o prese	/ I I L .										
	n <del>e</del> ury													

Project/Site: Tree Farm Property	(	City/Co	unty:	Waukesh	na County	Sampling	Date: 2024-0	07-26
• •					State: Wisconsin			
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mikay								
Landform (hillslope, terrace, etc.): Backslope								
Slope (%): <u>3-7</u> Lat: 42.953936				,			VGS84	
Soil Map Unit Name: Pella silt loam, 0 to 2 percent s								
Are climatic / hydrologic conditions on the site typical for this	•			_			10	
Are Vegetation, Soil, or Hydrology sig	•					•	/os / N	0
Are Vegetation, Soil, or Hydrology na					ded, explain any ansv			J
								o oto
SUMMARY OF FINDINGS – Attach site map s	nowing	Samp	oning	point io	cations, transect	s, import	ant leature	s, etc.
Hydrophytic Vegetation Present? Yes No			Is the	Sampled A	Area			
Hydric Soil Present? Yes No				-		No _	✓	
Wetland Hydrology Present? Yes No Remarks:								
Sample point located in an upland forest/old tree farm	n. APT an	nalysis	indic	ates clima	tic conditions are in	the wetter	than normal	range.
<b>VEGETATION</b> – Use scientific names of plants.								
	Absolute				Dominance Test wo	rksheet:		
Tree Stratum (Plot size: 30 )					Number of Dominant	Species	4	
1. Acer saccharum					That Are OBL, FACW	, or FAC: _	1	(A)
Gleditsia triacanthos; Caesalpiniodes triacar					Total Number of Dom Species Across All St		6	(B)
4					Percent of Dominant	Species		
5					That Are OBL, FACW	/, or FAC: _	16.67	(A/B)
Sapling/Shrub Stratum (Plot size: 15 )	80.0	= Total	Cove	er _	Prevalence Index we	orksheet:		
1. LONICERA MAACKII	15	Y		UPL	Total % Cover of	<u>:</u>	Multiply by:	_
2					OBL species 0	<u>.00</u> x 1	= <u>0.00</u>	_
3					FACW species0			_
4					FAC species 25			_
5					FACU species 15			_
Herb Stratum (Plot size:5)	15.0	= Total	I Cove	.			= 75.00	— (D)
1. Fragaria virginiana	50	Υ		FACU	Column Totals: 19	5.00 (A)	170.00	_ (B)
2. Alliaria petiolata		Υ		FACU	Prevalence Inde	ex = B/A = <u>.</u>	3.95	_
3. Acer negundo	15	Y		FAC	Hydrophytic Vegeta	ation Indicate	ors:	
4. Arctium minus	10	N		FACU	1 - Rapid Test for		: Vegetation	
5. Ambrosia trifida		N		FAC	2 - Dominance T			
6. <u>Solanum dulcamara</u>				FAC	3 - Prevalence In		1	
7					4 - Morphologica		s' (Provide sup eparate sheet)	
8					— Problematic Hyd			
9					,	-1 7 3	( )	,
10	100.0		l Cove	r	<sup>1</sup> Indicators of hydric be present, unless d			must
1				[	Hydrophytic			
2					Vegetation	<b>1</b>	No. /	
	0	= Total	l Cove	r	Present?	/es	NO <u>▼</u>	
Remarks: (Include photo numbers here or on a separate shape)				I				

Profile Desc	cription: (C	Describe	to the dep	th needed	to docu	ment the	indicator	or con	firm the	absence	of indicators.)
Depth		Matrix				x Feature	4		0		
(inches)	Color (	moist)	<u>%</u>	Color (ı	moist)	%	Type'	Loc <sup>2</sup>	<u> </u>	<u>Fexture</u>	Remarks
0-15	<u>10YR</u>	3/1	100			_				SIL	
15-24	10YR	5/1	80	_10YR	5/8	20	C	M		SIC	
						_					
			· ——	-							
<u> </u>						_					
<sup>1</sup> Type: C=C			letion, RM:	=Reduced I	Matrix, M	S=Masked	d Sand Gra	ains.			cation: PL=Pore Lining, M=Matrix.
Hydric Soil		:			_						for Problematic Hydric Soils <sup>3</sup> :
Histosol	` '	2)				Gleyed Ma			-	Coast	Prairie Redox (A16)
	pipedon (A2 istic (A3)	<u>2)</u>				Redox (S5 d Matrix (\$			-	— Dark S	Surface (S7)
	en Sulfide (A	44)				Mucky Mi	,		-	Iron-M	langanese Masses (F12)
	d Layers (A					Gleyed M			_	Very S	Shallow Dark Surface (TF12)
2 cm Mı	, ,					ed Matrix (			-	Other	(Explain in Remarks)
-	d Below Da		e (A11)		='	Dark Surfa	. ,			3	
	ark Surface	. ,				ed Dark Su Depressio	urface (F7)	)			s of hydrophytic vegetation and d hydrology must be present,
	Mucky Minerucky Peat o		3)	-	_ Kedox	Depressio	115 (F0)				s disturbed or problematic.
Restrictive											
Type:											
Depth (in	ches):								H	ydric Soil	Present? Yes No _
Remarks:											
HYDROLO											
Wetland Hy											
Primary Indi	cators (mini	mum of c	ne is requi	red; check	all that ap	oply)				Seconda	ary Indicators (minimum of two required)
	Water (A1)					ined Leav	` ,				face Soil Cracks (B6)
_	ater Table (/	A2)				auna (B13					inage Patterns (B10)
Saturati	, ,				•	atic Plants	` '				-Season Water Table (C2)
	Marks (B1)	(DO)				Sulfide O		ina Da	oto (C2)		yfish Burrows (C8)
	nt Deposits posits (B3)	(DZ)					eres on Liv ed Iron (C4	-	ois (C3)		uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1)
	at or Crust (	'B4\					ion in Tille		(C6)		omorphic Position (D2)
_	posits (B5)	(D-1)				Surface		a 00110	(00)		C-Neutral Test (D5)
	ion Visible o	n Aerial	magery (B			Well Data	. ,				
	y Vegetated				-	plain in Re					
Field Obser	vations:						<u> </u>				
Surface Wat	ter Present?	Y	es	No <u>√</u>	Depth (in	iches):					
Water Table	Present?	Υ	es	No <u></u> ✓	Depth (in	iches):					
Saturation P	resent?	Υ	es	No <u></u> ✓	Depth (in	iches):		w	Vetland	Hydrolog	y Present? Yes No _
(includes ca Describe Re	pillary fringe	<del>)</del> )									
Describe Ke	oudeu Dali	a (Suediii	yauge, m	Jilitoring We	ən, attial	ριισισε, βι	evious IIIS	Pecuor	ıs), II av	aliable.	
Remarks:											
No hydro	ology ind	dicator	s prese	ent.							
Soil prof	0.		1	- •							
2 2	,										

Project/Site: Tree Farm Property	(	City/Co	ounty:	Waukesh	a County	Sampling	Date: 2024-	07-26
• •					State: Wisconsin			
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mika							<u> </u>	
							,	
Landform (hillslope, terrace, etc.): Shoulder								
Slope (%): <u>3-7</u> Lat: <u>42.957289</u>								
Soil Map Unit Name: Pella silt loam, 0 to 2 percent	slopes				NWI class	ification: T3	K	
Are climatic / hydrologic conditions on the site typical for this	is time of yea	ar? Ye	es 🗸	No	(If no, explain ir	n Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturb	ed?	Are "N	ormal Circumstances	s" present? \	Yes <u>√</u> N	lo
Are Vegetation, Soil, or Hydrology	naturally pro	blema	tic?	(If nee	ded, explain any ans	wers in Rema	arks.)	
SUMMARY OF FINDINGS – Attach site map	showing	sam	pling	point lo	cations, transec	ts, import	ant feature	s, etc.
			<u>.                                     </u>	·	<u> </u>			
Hydrophytic Vegetation Present? Yes N Hydric Soil Present? Yes N				Sampled A				
Wetland Hydrology Present? Yes N			within	a Wetland	? Yes	No _	✓	
Remarks:	VO							
Sample point located in an upland meadow. AF	PT analysis	s indi	cates	climatic c	onditions are in t	he wetter t	han normal	range.
VEGETATION – Use scientific names of plants	i.							
- o	Absolute				Dominance Test wo	orksheet:		
Tree Stratum (Plot size: 30 )					Number of Dominanthat Are OBL, FACV	Species V, or FAC:	0	(A)
2					Total Number of Dor Species Across All S		4	(B)
4 5					Percent of Dominant That Are OBL, FACV		0.00	(A /D)
	0	= Tota	al Cove		That Are OBE, I ACV	v, or r Ac.	0.00	(A/D)
Sapling/Shrub Stratum (Plot size: 15 )					Prevalence Index w	orksheet:		
1					Total % Cover o		Multiply by:	_
2				_	OBL species(			
3					FACW species(			_
4					FAC species (			_
5				_	FACU species 8			
Herb Stratum (Plot size:)	0	= Tota	al Cove	•			5 = <u>125.00</u>	
1. <u>Dactvlis glomerata</u>	30	Υ	,	FACU	Column Totals: 1	13.00 (A)	4//.00	(B)
Erigeron annuus		<u>'</u> Y		FACU	Prevalence Ind	lex = B/A =	4.22	
3. Plantago major				FACU	Hydrophytic Veget			
4. Daucus carota		Y		UPL	1 - Rapid Test fo	or Hydrophytic	c Vegetation	
5. Asclepias syriaca	10	N		UPL	2 - Dominance 1	est is >50%		
6. Taraxacum officinale		N		FACU	3 - Prevalence Ir	ndex is ≤3.0¹		
7. Ambrosia artemisiifolia		N		FACU	4 - Morphologica	al Adaptations	s <sup>1</sup> (Provide sur	porting
8. Symphyotrichum pilosum				FACU			eparate sheet)	
9. <u>Cirsium arvense</u>				FACU	Problematic Hy	drophytic Veç	getation <sup>1</sup> (Expla	ain)
10								
Woody Vine Stratum (Plot size: 30 )	113.0	= Tota	al Cove	r	<sup>1</sup> Indicators of hydric be present, unless of			must
1					Hydrophytic			
2					Vegetation Present?	Yes	No 🗸	
		= Tota	al Cove			. 33	· • • • • • • • • • • • • • • • • • • •	
Remarks: (Include photo numbers here or on a separate	sheet.)							

Depth		<u>Matrix</u>		Redox Features	2 -	<b>-</b> .
(inches)	Color (m			Color (moist) % Type <sup>1</sup> Lo	oc² Texture	Remarks
<u>0-10</u>	<u>10YR</u>	3/2	_100_		SIL	
10-24	<u>10YR</u>	3/3	100		SICL	
	-					
<sup>1</sup> Type: C=C	Concentration,	D=Deple	etion, RM=Re	duced Matrix, MS=Masked Sand Grains.	²Loo	cation: PL=Pore Lining, M=Matrix.
	Indicators:					for Problematic Hydric Soils <sup>3</sup> :
Histoso	l (A1)			Sandy Gleyed Matrix (S4)	Coast	Prairie Redox (A16)
	pipedon (A2)			— Sandy Redox (S5)	— Dark S	urface (S7)
	listic (A3)	4)		Stripped Matrix (S6) Loamy Mucky Mineral (F1)	Iron-M	anganese Masses (F12)
	en Sulfide (A ed Layers (A5			Loamy Gleyed Matrix (F2)		hallow Dark Surface (TF12)
2 cm M		,		Depleted Matrix (F3)		(Explain in Remarks)
	ed Below Dark	Surface	(A11)	Redox Dark Surface (F6)		•
	ark Surface (			Depleted Dark Surface (F7)	<sup>3</sup> Indicators	of hydrophytic vegetation and
	Mucky Minera			Redox Depressions (F8)		d hydrology must be present,
	ucky Peat or		)		unless	disturbed or problematic.
	Layer (if obs	•				
				_	Hydric Soil	Present? Yes No ✓
Remarks:	101100).			_	Tiyano con	1105cm: 103 10
IVDDOLO	201/					
		cators:				
Wetland Hy	/drology Indi		ne is required:	check all that apply)	Seconda	ary Indicators (minimum of two required)
Wetland Hy Primary Indi	drology Indi		ne is required;	check all that apply) Water-Stained Leaves (B9)	<u> </u>	ary Indicators (minimum of two required) ace Soil Cracks (B6)
Wetland Hy Primary Indi Surface	drology Indicators (minimer (A1)	num of or	ne is required;	check all that apply)  Water-Stained Leaves (B9) Aquatic Fauna (B13)	Surf	ary Indicators (minimum of two required) ace Soil Cracks (B6) nage Patterns (B10)
Wetland Hy Primary Indi Surface High Wa	/drology Indicators (minime Water (A1)	num of or	ne is required;	<ul><li>Water-Stained Leaves (B9)</li><li>Aquatic Fauna (B13)</li></ul>	Surf	ace Soil Cracks (B6) nage Patterns (B10)
Wetland Hy Primary Indi Surface	drology Indicators (minimale Water (A1) Later Table (A2) ion (A3)	num of or	ne is required;	Water-Stained Leaves (B9)	Surf Drai Dry-	ace Soil Cracks (B6)
Wetland Hy Primary Indi Surface High Water N	drology Indicators (minimale Water (A1) Later Table (A2) ion (A3)	num of or 2)	ne is required;	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14)	Surf Drai Dry- Cray	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)
Wetland Hy Primary Indi Surface High Water M Sedime Drift De	drology Indicators (minimal Water (A1) (A2) (A3) (Marks (B1) (A3) (A3) (Marks (B3) (B3) (B3) (B3) (B3)	num of or 2) B2)	ne is required;	Water-Stained Leaves (B9)     Aquatic Fauna (B13)     True Aquatic Plants (B14)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres on Living F     Presence of Reduced Iron (C4)	Surf Drai Dry- Cray Roots (C3) Satu Stur	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1)
Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Algal M	rdrology Indicators (minimale Water (A1) later Table (A2) lon (A3) later (B1) later Deposits (B3) lat or Crust (B	num of or 2) B2)	ne is required;	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Feresence of Reduced Iron (C4) Recent Iron Reduction in Tilled So	Surf Drai Dry Cray Cray Stur Stur Stur Geo	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Wetland Hy Primary Indi Surface High Water N Sedime Drift De Algal Ma	rdrology Indicators (minimal Water (A1) atter Table (A2) ion (A3) Marks (B1) ent Deposits (B3) lat or Crust (B4) posits (B5)	num of or 2) B2)		Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Feresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil	Surf Drai Dry Cray Cray Stur Stur Stur Geo	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1)
Wetland Hy Primary Indi  Surface High Water Notes Sedime Drift De Algal Mater De Inundat	rdrology Indicators (minimal water (A1) atter Table (A2) ion (A3) Marks (B1) ent Deposits (B3) lat or Crust (B4) cookits (B5) tion Visible on	num of or 2) 32) 44) Aerial In	nagery (B7)	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Feresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Gauge or Well Data (D9)	Surf Drai Dry Cray Cray Stur Stur Stur Geo	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Wetland Hy Primary Indi  Surface High Water Notes Sedime Drift De Algal Mater Notes Iron De Inundat Sparsel	rdrology Indicators (minimal Water (A1) atter Table (A2) ion (A3) Marks (B1) ent Deposits (B3) lat or Crust (B3) lat or Crust (B4) posits (B5) ion Visible on ly Vegetated (B4)	num of or 2) 32) 44) Aerial In		Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Feresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil	Surf Drai Dry Cray Cray Stur Stur Stur Geo	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Primary Indi  Surface High Water Mager Mater Mat	rdrology Indicators (minimal Water (A1) after Table (A2) after Table (A2) after Marks (B1) and Deposits (B3) after Orust (B2) after Orust (B3) after Orust (B4) after Orust (B5) after Orust (B5) after Orust (B4) Vegetated (Carvations:	B2) B2) Aerial In	nagery (B7) Surface (B8)	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soi Thin Muck Surface (C7) Gauge or Well Data (D9) Other (Explain in Remarks)	Surf Drai Dry Cray Cray Stur Stur Stur Geo	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Wetland Hy Primary Indi  Surface High Water Management Sedime Drift De Algal Management Iron De Inundat Sparsel Field Obser Surface Water Management Management Surface Water Management Surface Wat	rdrology Indicators (minimal Water (A1) atter Table (A2) ion (A3) Marks (B1) ent Deposits (B3) atter or Crust (B4) posits (B5) ion Visible on by Vegetated (Crvations:	Bum of or B2) B2) A4) Aerial In Concave	nagery (B7) Surface (B8) es No	Water-Stained Leaves (B9)     Aquatic Fauna (B13)     True Aquatic Plants (B14)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres on Living Feresence of Reduced Iron (C4)     Recent Iron Reduction in Tilled Soil     Thin Muck Surface (C7)     Gauge or Well Data (D9)     Other (Explain in Remarks)  ✓ Depth (inches):	Surf Drai Dry Cray Cray Stur Stur Stur Geo	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Wetland Hy Primary Indi  Surface High Water Now Sedime Drift De Algal Mater Now Inundat Sparsel Field Obser Surface Water Table	rdrology Indicators (minimal water (A1) atter Table (A2) ion (A3) Marks (B1) ent Deposits (B3) lattor Crust (B4) posits (B5) ion Visible on ly Vegetated (Frvations:  ter Present?	B2) B2) Aerial In Concave	nagery (B7) Surface (B8) es No _ es No _	Water-Stained Leaves (B9)     Aquatic Fauna (B13)     True Aquatic Plants (B14)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres on Living Feresence of Reduced Iron (C4)     Recent Iron Reduction in Tilled Soil     Thin Muck Surface (C7)     Gauge or Well Data (D9)     Other (Explain in Remarks)  ✓ Depth (inches):	Surf  Surf  Drai  Dry-  Cray  Roots (C3) Satu  Stur  Geo  FAC	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2) c-Neutral Test (D5)
Wetland Hy Primary Indi  Surface High Water Now Sedime Drift De Algal Mater Now Inon De Inundat Sparsel Field Obser Surface Water Table Saturation F (includes ca	rdrology Indicators (minimal Water (A1) after Table (A2) after Table (A2) after Table (A2) after Table (A2) after Deposits (B1) after Deposits (B3) after Crust (B2) after Crust (B3) after Crust (B4) vegetated after Present? Applications:	B2)  Aerial In Concave  Ye Ye	nagery (B7) Surface (B8) es No _ es No _	Water-Stained Leaves (B9)     Aquatic Fauna (B13)     True Aquatic Plants (B14)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres on Living Feresence of Reduced Iron (C4)     Recent Iron Reduction in Tilled Soil     Thin Muck Surface (C7)     Gauge or Well Data (D9)     Other (Explain in Remarks)  ✓ Depth (inches):     Depth (inches):	Surf  Surf  Drai  Dry- Cray  Roots (C3) Satu  Stur  Geo  FAC	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Wetland Hy Primary Indi  Surface High Water Now Sedime Drift De Algal Mater Now Inon De Inundat Sparsel Field Obser Surface Water Table Saturation F (includes ca	rdrology Indicators (minimal Water (A1) after Table (A2) after Table (A2) after Table (A2) after Table (A2) after Deposits (B1) after Deposits (B3) after Crust (B2) after Crust (B3) after Crust (B4) vegetated after Present? Applications:	B2)  Aerial In Concave  Ye Ye	nagery (B7) Surface (B8) es No _ es No _	Water-Stained Leaves (B9)     Aquatic Fauna (B13)     True Aquatic Plants (B14)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres on Living Feresence of Reduced Iron (C4)     Recent Iron Reduction in Tilled Soil     Thin Muck Surface (C7)     Gauge or Well Data (D9)     Other (Explain in Remarks)  ✓ Depth (inches):	Surf  Surf  Drai  Dry- Cray  Roots (C3) Satu  Stur  Geo  FAC	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2) c-Neutral Test (D5)
Wetland Hy Primary Indi  Surface High Water Mater Table Saturation F (includes call Describe Research	rdrology Indicators (minimal Water (A1) after Table (A2) after Table (A2) after Table (A2) after Table (A2) after Deposits (B1) after Deposits (B3) after Crust (B2) after Crust (B3) after Crust (B4) vegetated after Present? Applications:	B2)  Aerial In Concave  Ye Ye	nagery (B7) Surface (B8) es No _ es No _	Water-Stained Leaves (B9)     Aquatic Fauna (B13)     True Aquatic Plants (B14)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres on Living Feresence of Reduced Iron (C4)     Recent Iron Reduction in Tilled Soil     Thin Muck Surface (C7)     Gauge or Well Data (D9)     Other (Explain in Remarks)  ✓ Depth (inches):     Depth (inches):	Surf  Surf  Drai  Dry- Cray  Roots (C3) Satu  Stur  Geo  FAC	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2) c-Neutral Test (D5)
Wetland Hy Primary Indi  Surface High Water Management Sedime Drift De Algal Management Iron De Inundat Sparsel Field Obser Surface Water Table Saturation F (includes ca Describe Re	rdrology Indicators (minimal water (A1) after Table (A2) after Table (A3) after Deposits (B3) after Crust (B3) after Crust (B3) after Crust (B4) after Crust (B5) after Deposits (B5) after Crust	B2) B2) Aerial In Concave Ye Ye (stream	nagery (B7) Surface (B8) es No _ es No _ gauge, monito	Water-Stained Leaves (B9)     Aquatic Fauna (B13)     True Aquatic Plants (B14)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres on Living Fauna (C4)     Recent Iron Reduction in Tilled Soil     Thin Muck Surface (C7)     Gauge or Well Data (D9)     Other (Explain in Remarks)  ✓ Depth (inches):     Depth (inches):     Depth (inches):	Surf  Surf  Drai  Dry- Cray  Roots (C3) Satu  Stur  Geo  FAC	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2) c-Neutral Test (D5)
Wetland Hy Primary Indi  Surface High Water Mater Table Saturation F (includes ca Describe Remarks: No hydro	rdrology Indicators (minimal Water (A1) after Table (A2) ion (A3) Marks (B1) and Deposits (B3) after Crust (B4) after Crust (B5) ion Visible on by Vegetated (Crvations:  The Present?	B2) B2) Aerial In Concave Ye Ye (stream	nagery (B7) Surface (B8) es No _ es No _	Water-Stained Leaves (B9)     Aquatic Fauna (B13)     True Aquatic Plants (B14)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres on Living Fauna (C4)     Recent Iron Reduction in Tilled Soil     Thin Muck Surface (C7)     Gauge or Well Data (D9)     Other (Explain in Remarks)  ✓ Depth (inches):     Depth (inches):     Depth (inches):	Surf  Surf  Drai  Dry- Cray  Roots (C3) Satu  Stur  Geo  FAC	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2) c-Neutral Test (D5)
Wetland Hy Primary Indi  Surface High Water Management Sedime Drift De Algal Management Iron De Inundat Sparsel Field Obser Surface Water Table Saturation F (includes ca Describe Re	rdrology Indicators (minimal Water (A1) after Table (A2) ion (A3) Marks (B1) and Deposits (B3) after Crust (B4) after Crust (B5) ion Visible on by Vegetated (Crvations:  The Present?	B2) B2) Aerial In Concave Ye Ye (stream	nagery (B7) Surface (B8) es No _ es No _ gauge, monito	Water-Stained Leaves (B9)     Aquatic Fauna (B13)     True Aquatic Plants (B14)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres on Living Fauna (C4)     Recent Iron Reduction in Tilled Soil     Thin Muck Surface (C7)     Gauge or Well Data (D9)     Other (Explain in Remarks)  ✓ Depth (inches):     Depth (inches):     Depth (inches):	Surf  Surf  Drai  Dry- Cray  Roots (C3) Satu  Stur  Geo  FAC	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2) c-Neutral Test (D5)

Project/Site: Tree Farm Property	c	city/County:	Waukesha	a County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises				State: Wisconsin Sampling Point: P10
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mikayla Da	tka_ s	Section, Tov	vnship, Rar	nge: sec 30 T006N R020E
Landform (hillslope, terrace, etc.): Ditch			ocal relief	(concave, convex, none): Concave
Slope (%): <u>0-2</u> Lat: <u>42.957152</u>	1	ong: -88.17	72818	Datum: WGS84
				NWI classification: T3K (WWI)
Are climatic / hydrologic conditions on the site typical for this time		100		1
Are Vegetation, Soil, or Hydrology signifi				Normal Circumstances" present? Yes ✓ No
Are Vegetation, Soil, or Hydrology natura				eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sho				
Hydrophytic Vegetation Present? Yes No		ls the	e Sampled	Area
Hydric Soil Present? Yes No		0.00		nd? Yes _ ✓ No
Wetland Hydrology Present? Yes No	-	1,140	10.5 10.5 11.50	
Remarks: APT analysis indicates climatic conditions are in the wetter than	normal	range. Sar	mple point l	ocated in a wet meadow on stream bank.
<b>VEGETATION</b> – Use scientific names of plants.				
	Cover	Dominant Species?		Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant Species Across All Strata:1 (B)
5	_			Percent of Dominant Species That Are OBL, FACW, or FAC:100.00 (A/B)
Sapling/Shrub Stratum (Plot size: 15' radius )		= Total Cov	er	Prevalence Index worksheet:  Total % Cover of: Multiply by:
1				OBL species0 x 1 =0
3				FACW species45 x 2 =90
4.				FAC species 5 x 3 = 15
5				FACU species0 x 4 =0
Market and will be a second at	0 =	Total Cov	er	UPL species0 x 5 =0
Herb Stratum (Plot size: 5' radius )	40		FACIAL	Column Totals:50 (A)105.00 (B)
Impatiens capensis     Vitis riparia	5	Y	FACW	Prevalence Index = B/A = 2.1
Vitis riparia     Bidens frondosa	5	N N	FACW	Hydrophytic Vegetation Indicators:
4			171011	✓ 1 - Rapid Test for Hydrophytic Vegetation
5			,	✓ 2 - Dominance Test is >50%
6				✓ 3 - Prevalence Index is ≤3.01
7				4 - Morphological Adaptations¹ (Provide supporting
8				data in Remarks or on a separate sheet)  — Problematic Hydrophytic Vegetation¹ (Explain)
9				Problematic Hydrophytic Vegetation (Explain)
10		Total Cov	er	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1			_	Hydrophytic Vegetation
	7	T.V.		Present? Yes _ \( \sqrt{No}
Barrier (Institute of the Control of		= Total Cov	er	133
Remarks: (Include photo numbers here or on a separate sheet WM	i.)			

Hydric Soil Indicators:  Histosol (A1)  Histosol (A2)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Loamy Mucky Mineral (F1)  Thick Dark Surface (A12)  Sandy Medox Depressions (F8)  Wetter  Sondy Mucky Mineral (S1)  Somy Mucky Mineral (S1)  Somy Mucky Mineral (S1)  Bepth (Inches):  Type:  Depth (Inches):  Wetter  Depth (Inches):  Water Table Present?  Hydric Son Mucky Mineral (S2)  Aquatic Fauna (B13)  Water Table Present?  Wetser  No Depth (Inches):  Bandy Mucky Mineral (S2)  Sandy Mucky Mineral (S3)  Sandy Mucky Mineral (S1)  Redox Dark Surface (F7)  Indicator  Stripped Matrix (F2)  Loamy Mucky Mineral (F1)  Loamy Mucky Mineral (F1)  Loamy Mucky Mineral (F1)  Loamy Mucky Mineral (F2)  Loamy Mucky Mineral (F2)  Loamy Mucky Mineral (F1)  Redox Dark Surface (F6)  Thick Dark Surface (F7)  Indicator  Redox Dark Surface (F6)  Pepheted Matrix (F2)  Depleted Dark Surface (F7)  Indicator  Redox Dark Surface (F7)  Indicator  Redox Dark Surface (F7)  Indicator  Redox Dark Surface (F8)  Wetter  Hydric Stripper  Hydric Stripper  Primary Indicators:  Hydric Stripper  Primary Indicators (Indicators)  Hydric Stripper  Primary Indicators (Indicators)  Hydric Stripper  Second  Surface Water (A1)  Water Table (A2)  Aquatic Fauna (B13)  Yese  Oxidized Rhizospheres on Living Roots (C3)  Restrictive Lagrer (Indicators)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Soils (C6)  Find Muck Surface (C7)  Find Muck Surface (C7)  Find Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  No  Depth (inches):  Bar	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Tydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)  Loamy Mucky Mineral (F1)  Thick Dark Surface (A12)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Som Mucky Mineral (S1)  To m Mucky Mineral (S1)  The Mark Surface (A12)  Som Mucky Mineral (S1)  The Mark Surface (A12)  Som Mucky Mineral (S1)  The Mark Surface (A12)  Som Mucky Mineral (S1)  The Mark Surface (A13)  Som Mucky Mineral (S1)  Som Mucky Mineral Mucky Mineral (S1)  Som Mucky Mineral (S1)  Som Mucky Mineral Mucky Mineral (S1)  Som Mucky Mineral	Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.   Total Cator	
Histosol (A1) Sandy Gleyed Matrix (S4) Coa Histic Epipedon (A2) Sandy Redox (S5) Dark Histic (A3) Stripped Matrix (S6) Dark Stripped Matrix (S6) Dark Stripped Matrix (S6) Loamy Mucky Mineral (F1) Very Carm Muck (A10) Depleted Below Dark Surface (A11) Redox Dark Surface (F7) Pepleted Bark Surface (F7) Redox Dark Surface (F7) Pepleted Bark Surface (F7) Redox Dark Surface (F7) Pepleted Dark Surface (F7) Pepleted Dark Surface (F8) Wester (F8) Pepleted Layer (If observed): Type: Hydric Scientific Scientifi	
Indicators:  Histosol (Ar1)	
Indicators:  Histosol (Ar1)	
Indicators:  Histosol (Ar1)	
Histosol (A1) Sandy Gleyed Matrix (S4) Coa Histic Epipedon (A2) Sandy Redox (S5) Dark Histic (A3) Stripped Matrix (S6) Dark Stripped Matrix (S6) Dark Stripped Matrix (S6) Loamy Mucky Mineral (F1) Very Carm Muck (A10) Depleted Below Dark Surface (A11) Redox Dark Surface (F7) Pepleted Bark Surface (F7) Redox Dark Surface (F7) Pepleted Bark Surface (F7) Redox Dark Surface (F7) Pepleted Dark Surface (F7) Pepleted Dark Surface (F8) Wester (F8) Pepleted Layer (If observed): Type: Hydric Scientific Scientifi	
Artice Soil Indicators:  - Histosol (A1) - Histosol (A1) - Black Histor (A2) - Black Histor (A3) - Hydrogen Sulfide (A4) - Loamy Mucky Mineral (F1) - Loamy Gleyed Matrix (F3) - Loamy Mucky Mineral (F1) - Thick Dark Surface (A11) - Thick Dark Surface (A12) - Thick Dark Surface (A12) - Thick Dark Surface (A12) - Thick Dark Surface (A13) - Sandy Mucky Mineral (F1) - Thick Dark Surface (A12) - Depleted Below Dark Surface (F7) - Sandy Mucky Mineral (F1) - Thick Dark Surface (A12) - Depleted Dark Surface (F7) - Sandy Mucky Mineral (S1) - Redox Dark Surface (F7) - Redox Depressions (F8) - Wetter Sandy Mucky Mineral (S1) - Som Mucky Peat or Peat (S3) - Surface Water (A1) - Setrictive Layer (if observed): - Type: - Depth (inches): - Surface Water (A1) - Water-Stained Leaves (B9) - Surface Water (A1) - Water Marks (B1) - Water Marks (B1) - Water Marks (B1) - Water Marks (B1) - Hydrogen Sulfide Odor (C1) - Sediment Deposits (B2) - Drift Deposits (B3) - Presence of Reduced Iron (C4) - Sourface (C7) - Algal Mat or Crust (B4) - Iron Deposits (B5) - Inundation Visible on Aerial Imagery (B7) - Sparsely Vegetated Concave Surface (B8) - Other (Explain in Remarks) - Inundation Visible on Aerial Imagery (B7) - Sparsely Vegetated Concave Surface (B8) - Other (Explain in Remarks) - Inundation Present? - Yes No Depth (inches): - Secrib Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: - Interest Table Present? - Yes No Depth (inches): - Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	ocation: PL=Pore Lining, M=Matrix.
Histic Epipedon (A2)	rs for Problematic Hydric Soils <sup>3</sup> :
Black Histic (A3) Stripped Matrix (S5) Loamy Mucky Mineral (F1) Iron Stratified Layers (A5) Loamy Mucky Mineral (F2) Very 2 cm Muck (A10) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Pepleted Dark Surface (F7) Sundividual Mucky Mineral (S1) Redox Dark Surface (F7) Sundividual Mucky Mineral (S1) Redox Depressions (F8) Wetling 5 cm Mucky Peat or Peat (S3) Unlesstrictive Layer (if observed):  Type: Depth (inches): Hydric Scientaria, Surface Water (A1) Water-Stained Leaves (B9) Surface Water (A1) Aquatic Fauna (B13) Depth (inches): Second Mucky Peat or Peat (S2) Aquatic Fauna (B13) Depth (inches): Second Mucky Peat or Peat (S2) Aquatic Fauna (B13) Depth (inches): Second Mucky Peat or Peat (S2) Aquatic Fauna (B13) Depth (inches): Second Mucky Peat or Peat (S2) Aquatic Fauna (B13) Depth (Inches): Second Mucky Peat or Peat (S2) Aquatic Fauna (B13) Depth (Inches): Second Mucky Peat or Peat (S2) Aquatic Fauna (B13) Depth (Inches): Second Mucky Peat or Peat (S2) Depth (Inches): Second Reduced Iron (C4) Depth (Inches): Sparsely Vegetated Concave Surface (B8) Depth (Inches): Sparsely Vegetated Concave Surface (B8) Depth (Inches): Second Reduced Iron (S2) Depth (Inches): Second Reduced Iron (S3) Depth (Inches): Second Reduced Iron (S4) Sparsely Vegetated Concave Surface (B8) Depth (Inches): Second Reduced Iron (S4) Sparsely Vegetated Concave Surface (B8) Depth (Inches): Second Reduced Iron (S4) Sparsely Vegetated Concave Surface (B8) Depth (Inches): Second Reduced Iron (S4) Second Reduced Iron (S4) Sparsely Vegetated Concave Surface (B8) Depth (Inches): Second Reduced Iron (S4) Second Reduced Iron (S4) Sparsely Vegetated Concave Surface (B8) Depth (Inches): Second Reduced Iron (S4) Second Reduced Iron (S4) Sparsely Vegetated Concave Surface (B8) Depth (Inches): Second Reduced Iron (S4) Se	st Prairie Redox (A16)
Black Histic (A3)	Surface (S7)
Stratified Layers (A5)	The state of the s
Z 2 cm Muck (A10)	Manganese Masses (F12)
Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) wetls unlesstrictive Layer (if observed):  Type: Depth (inches):  Dep	Shallow Dark Surface (TF12)
Thick Dark Surface (A12) Depleted Dark Surface (F7)	r (Explain in Remarks)
Sandy Mucky Mineral (S1) Redox Depressions (F8) wetlow in the strictive Layer (if observed):  Type: Depth (inches): Presence of Reduced Iron (C4) Sediment Deposits (B3) Presence of Reduced Iron (C4) Sharely Light Observations:  Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Finundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Cherch Reduced Iron (C4) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  Bedone Type Depth (inches): And the concave Surface (B8) Other (Explain in Remarks)  Bedone Type Depth (inches): And Hydrole decided Poton (C4) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  Bedone Type No Depth (inches): And Hydrole decided Poton (Patients) and the concave Surface (B8)	the state of the s
	ors of hydrophytic vegetation and
Proper (inches):	and hydrology must be present,
Type:	ss disturbed or problematic.
DROLOGY  etland Hydrology Indicators: imary Indicators (minimum of one is required; check all that apply)  Secon Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Test Aguatic Pauna (B13)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Soils (C6)  Iron Deposits (B5)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  etled Observations:  Irace Water Present?  Yes No Depth (inches): ater Table Present? Yes No Depth (	
PROLOGY  Setland Hydrology Indicators: rimary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  I ron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Eld Observations:  Fater Table Present?  Yes No Depth (inches):  Saturation Present? Yes No  Saturation Present? Yes N	oil Present? Yes <u>√</u> No
## Properties of Properties o	7 10 <u>v</u> 10 <u>v</u>
rimary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Water Table Present?  Yes ✓ No   Depth (inches):  Water Table Presenter (Stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Surface Water (A1)	dan, tadiantan (minimum at ton a minimum
✓ High Water Table (A2)       Aquatic Fauna (B13)       ✓ D         ✓ Saturation (A3)       True Aquatic Plants (B14)       D         ✓ Water Marks (B1)       Hydrogen Sulfide Odor (C1)       C         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       S         Drift Deposits (B3)       Presence of Reduced Iron (C4)       S         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       ✓ G         Iron Deposits (B5)       Thin Muck Surface (C7)       ✓ F         Inundation Visible on Aerial Imagery (B7)       Gauge or Well Data (D9)         Sparsely Vegetated Concave Surface (B8)       Other (Explain in Remarks)         ield Observations:       Vegetated Present?       Yes       No       Depth (inches):       8         Vater Table Present?       Yes       No       Depth (inches):       8       Wetland Hydrological Processor (Present)         Vater Table Present?       Yes       No       Depth (inches):       0       Wetland Hydrological Present (Present)         Vater Table Present?       Yes       No       Depth (inches):       0       Wetland Hydrological Present (Present)         Vater Table Present?       Yes       No       Depth (inches):       0       Wetland Hydrological Present (Present)         Vater	dary Indicators (minimum of two require
True Aquatic Plants (B14) D Water Marks (B1) Hydrogen Sulfide Odor (C1) C Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) S Drift Deposits (B3) Presence of Reduced Iron (C4) S Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) ✓ G Iron Deposits (B5) Thin Muck Surface (C7) ✓ F, Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  eld Observations:  carter Table Present? Yes No Depth (inches): B atturation Present? Yes No Depth (inches): B atturation Present? Yes No Depth (inches): B acturation Present? Yes No Depth (inches):	urface Soil Cracks (B6)
Water Marks (B1)	rainage Patterns (B10)
	ry-Season Water Table (C2)
Drift Deposits (B3)	rayfish Burrows (C8)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6)	aturation Visible on Aerial Imagery (C9)
Iron Deposits (B5)	unted or Stressed Plants (D1)
Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  eld Observations:  urface Water Present?	eomorphic Position (D2)
Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  eld Observations:  urface Water Present?	AC-Neutral Test (D5)
ield Observations:  urface Water Present? Yes No Depth (inches):  /ater Table Present? Yes No Depth (inches): 8  aturation Present? Yes No Depth (inches): 0  wetland Hydrolo includes capillary fringe)  escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
urface Water Present? Yes No/ Depth (inches): /ater Table Present? Yes/ No Depth (inches):8 aturation Present? Yes/ No Depth (inches): 0  Wetland Hydrolo noludes capillary fringe) escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
ater Table Present?  Yes No Depth (inches): 8  aturation Present?  Yes No Depth (inches): 0  Wetland Hydrological Stream gauge, monitoring well, aerial photos, previous inspections), if available:	
aturation Present? Yes No Depth (inches): 0	
ncludes capillary fringe) escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	gy Present? Yes/ No
emarks:	
- Windus	

Project/Site: Tree Farm Property	(	City/Cour	nty: Waukes	ha County Sampling Date: 2024-07	-26
Applicant/Owner: Workman Enterprises				State: Wisconsin Sampling Point: P11	
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mikay					
Landform (hillslope, terrace, etc.): Other			•		
Slope (%): <u>0-2</u> Lat: <u>42.955493</u>					
				NWI classification: None	
Are climatic / hydrologic conditions on the site typical for this					
				Normal Circumstances" present? Yes ✓ No	
Are Vegetation, Soil, or Hydrology sig				' =	
Are Vegetation, Soil, or Hydrology na	turally pro	blematic	? (If ne	eded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s	howing	sampl	ing point lo	ocations, transects, important features,	etc.
Hydrophytic Vegetation Present? Yes No					
Hydric Soil Present? Yes No			the Sampled		
Wetland Hydrology Present? Yes ✓ No		l w	ithin a Wetlan	d? Yes <u>√</u> No	
Remarks:		•			
APT analysis indicates climatic condition	ns are i	n the	wetter tha	n normal range.	
VEGETATION III : ::					
<b>VEGETATION</b> – Use scientific names of plants.					
			ant Indicator s? Status	Dominance Test worksheet:	
1				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A	<b>A</b> )
2.					,
3				Total Number of Dominant Species Across All Strata:1(E	3)
4				Percent of Dominant Species	
5				That Are OBL, FACW, or FAC: 100.00	4/B)
Sapling/Shrub Stratum (Plot size:15)	0	= Total C	Cover	Prevalence Index worksheet:	
1				Total % Cover of: Multiply by:	
2				OBL species $40.00$ x 1 = $40.00$	
3				FACW species 67.00 x 2 = 134.00	
4				FAC species 7.00 x 3 = 21.00	
5.				FACU species 5.00 x 4 = 20.00	
		= Total C		UPL species <u>0.00</u> x 5 = <u>0.00</u>	
Herb Stratum (Plot size:)				Column Totals: <u>119.00</u> (A) <u>215.00</u>	(B)
1. Phalaris arundinacea		<u>Y</u>	<u>FACW</u>	Dravalance Index D/A 1 91	
2. <u>Symphyotrichum puniceum</u>		N_	OBL_	Prevalence Index = B/A = 1.81  Hydrophytic Vegetation Indicators:	
3. <u>Typha angustifolia</u>	_	N_	OBL	✓ 1 - Rapid Test for Hydrophytic Vegetation	
Impatiens capensis     Symphyotrichum lanceolatum		N	<u>FACW</u> FAC	✓ 2 - Dominance Test is >50%	
6. <u>Stachvs palustris</u>		N	OBL	✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>	
7. <u>Cirsium arvense</u>	_	N	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide suppor	rtina
8. Scirpus atrovirens		N	OBL	data in Remarks or on a separate sheet)	9
9. Epilobium coloratum		N	OBL	— Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	)
10.					
	119.0		Cover	<sup>1</sup> Indicators of hydric soil and wetland hydrology mu be present, unless disturbed or problematic.	ıst
1				Hydrophytic	
2				Vegetation	
	0	= Total C	Cover	Present? Yes No	
Remarks: (Include photo numbers here or on a separate sh	neet.)				

Profile Des	cription: ([	Describe 1	o the dept	h needed to docu	ment the	indicator	or confirm	m the absence of indicators.)	
Depth		Matrix			x Feature		. 2		
(inches)	Color (		<u></u> %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0-12	2.5Y	2.5/1	100					MUCK	
12-24	<u>10YR</u>	3/2	50					PEAT	
	10YR	3/1	_50_		_	<u> </u>		PEAT	
						-			
	-				_		-		
1		- D D		Dadra d Mateka M	0.141		·	21	
Hydric Soil			etion, RIVI=I	Reduced Matrix, M	S=Masked	a Sand Gra	ains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :	
/_ Histosol		•		Sandy	Gleyed Ma	atriv (SA)		Coast Prairie Redox (A16)	
	pipedon (A2	2)			Redox (S5				
	istic (A3)	,		•	d Matrix (S	,		— Dark Surface (S7)	
	en Sulfide (	,				neral (F1)		Iron-Manganese Masses (F12)	
	d Layers (A	.5)			Gleyed M			Very Shallow Dark Surface (TF12)	
✓ 2 cm Mi	uck (A10) d Below Da	rk Curfoo	\( ( \ 1 1 \)		ed Matrix ( Dark Surfa			Other (Explain in Remarks)	
-	ark Surface		(A11)			ace (F6) urface (F7)		<sup>3</sup> Indicators of hydrophytic vegetation and	
	Mucky Mine	. ,			Depressio	, ,		wetland hydrology must be present,	
5 cm Mi	ucky Peat o	or Peat (S3	3)		·	, ,		unless disturbed or problematic.	
Restrictive	Layer (if ol	bserved):							
Type:									
Depth (in	iches):							Hydric Soil Present? Yes No	
Remarks:									
LIVEROLO	NCV								
HYDROLO		dicators:							
Wetland Hy			oo io roquir	ed; check all that a	anlu)			Secondary Indicators (minimum of two require	rad)
			ie is require	<del>eu, crieck all triat a</del> l Water-Sta		(00 (PO)			<u>eu)</u>
	· Water (A1) ater Table (			Water-Sta		` ,		Surface Soil Cracks (B6) Drainage Patterns (B10)	
Saturati		A2)		True Aqua				Drainage Fatterns (B10) Dry-Season Water Table (C2)	
·	/larks (B1)			Hydrogen		` '		Crayfish Burrows (C8)	
·	nt Deposits	(B2)		Oxidized			ina Roots		))
	posits (B3)	( )		Presence			-	Stunted or Stressed Plants (D1)	,
Algal Ma	at or Crust (	(B4)		Recent Iro					
Iron De	posits (B5)			Thin Mucl	Surface	(C7)		✓ FAC-Neutral Test (D5)	
Inundati	ion Visible o	on Aerial II	magery (B7)	) Gauge or	Well Data	(D9)			
Sparsel	y Vegetated	d Concave	Surface (B	8) <u>√</u> Other (Ex	plain in Re	emarks)			
Field Obser	rvations:								
Surface Wat	ter Present?	? Y	es N	lo Depth (in	ches):		_		
Water Table	Present?	Y	es N	lo✓ Depth (in	ches):				
Saturation P			es N	lo ✓ Depth (in	ches):		Wet	land Hydrology Present? Yes No	
(includes ca Describe Re	corded Dat	a (stream	gauge, mor	nitoring well, aerial	photos, pi	revious ins	pections),	, if available:	
Wetland	hydrolo	gy veri	fied with	n monitoring	wells i	n 2024	early (	growing season.	
Remarks:									

Project/Site: Tree Farm Property	(	City/Cour	nty: City of Nev	w Berlin, Waukesha Co Sampling Date: 2024-07-26
• •		•	•	State: WI Sampling Point: P12
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mikayl				
Landform (hillslope, terrace, etc.): Other				
Slope (%): <u>0-2</u> Lat: <u>42.955493</u>				·
Soil Map Unit Name:		_		
Are climatic / hydrologic conditions on the site typical for this t				_
Are Vegetation, Soil, or Hydrology sig				Normal Circumstances" present? Yes _ ✓ No
Are Vegetation, Soil, or Hydrology na				eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	howing	sampli	ing point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No		le	the Sampled	Агеа
Hydric Soil Present? Yes No			ithin a Wetlan	
Wetland Hydrology Present? Yes No			a would.	
Remarks:				
APT analysis indicates climatic condition	is are ii	n the v	wetter tha	n normal range.
VEGETATION – Use scientific names of plants.				
			nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 )				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant Species Across All Strata: 3 (B)
4.       5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
2 11 12 12 12 13 14	0	= Total C	Cover	
Sapling/Shrub Stratum (Plot size: 15 )				Prevalence Index worksheet:  Total % Cover of: Multiply by:
1				
2				FACW species 0.00 x 2 = 0.00
3				FAC species 50.00 x 3 = 150.00
5.				FACU species 45.00 x 4 = 180.00
		= Total C		UPL species <u>5.00</u> x 5 = <u>25.00</u>
Herb Stratum (Plot size:5				Column Totals: <u>100.00</u> (A) <u>355.00</u> (B)
1. <u>Poa pratensis</u>		<u>Y</u>	FAC_	December 1 december 2 FF
2. <u>Cirsium arvense</u>		<u>Y</u>	<u>FACU</u>	Prevalence Index = B/A = 3.55  Hydrophytic Vegetation Indicators:
3. <u>Sonchus arvensis</u>		Y_	<u>FACU</u>	Rapid Test for Hydrophytic Vegetation
4. <u>Daucus carota</u>			UPL	2 - Dominance Test is >50%
5 6				3 - Prevalence Index is ≤3.0¹
7				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				— Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10				
Woody Vine Stratum (Plot size: 30 )	100.0	= Total C		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1				Hydrophytic
2				Vegetation Present? Yes No _✓
		= Total C	Cover	165 NO ¥
Remarks: (Include photo numbers here or on a separate sh	eet.)			
Old field				

Profile Des	cription: (Des	scribe to	the depth	n needed to docu	ment the	indicator	or confire	m the absence of indicators.)
Depth		atrix			x Feature			
(inches)	Color (mo		<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	
0-12	2.5Y 2	2.5/1	100		_	<u> </u>		MUCK
12-24	<u>10YR</u>	3/1	50					PEAT
	_10YR	3/2	50					PEAT
								·
-						-		
	-							·
	· ·				_			· <del></del>
<del></del>					_	<u> </u>		
		D=Deple	tion, RM=F	Reduced Matrix, M	S=Masked	d Sand Gra	ains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
_	Indicators:							Indicators for Problematic Hydric Soils <sup>3</sup> :
/ Histoso	, ,				Gleyed Ma			Coast Prairie Redox (A16)
	Epipedon (A2) Histic (A3)			— Sandy	Redox (S5 d Matrix (\$			— Dark Surface (S7)
l ——	en Sulfide (A4)	)			,	neral (F1)		Iron-Manganese Masses (F12)
	ed Layers (A5)				Gleyed M			Very Shallow Dark Surface (TF12)
2 cm M					ed Matrix (			Other (Explain in Remarks)
Deplete	ed Below Dark	Surface	(A11)		Dark Surfa	. ,		
	ark Surface (A	,				urface (F7)	)	<sup>3</sup> Indicators of hydrophytic vegetation and
	Mucky Mineral			Redox	Depressio	ns (F8)		wetland hydrology must be present,
	Layer (if obse							unless disturbed or problematic.
	• .	-						
								Under Cail Brasant? Vac No.
Remarks:	nches):							Hydric Soil Present? Yes No
HYDROLO	OGY							
Wetland Hy	drology Indic	ators:						
Primary Indi	icators (minimu	ım of on	e is require	ed; check all that ap	oply)			Secondary Indicators (minimum of two required)
Surface	e Water (A1)			Water-Sta	ined Leav	res (B9)		Surface Soil Cracks (B6)
High W	ater Table (A2)	)		Aquatic Fa	auna (B13	3)		Drainage Patterns (B10)
Saturati				True Aqua				Dry-Season Water Table (C2)
Water N	Marks (B1)			Hydrogen	Sulfide O	dor (C1)		Crayfish Burrows (C8)
Sedime	ent Deposits (B	2)		Oxidized I	Rhizosphe	eres on Liv	ing Roots	(C3) Saturation Visible on Aerial Imagery (C9)
Drift De	eposits (B3)			Presence	of Reduce	ed Iron (C4	4)	Stunted or Stressed Plants (D1)
Algal M	lat or Crust (B4	<b>!</b> )		Recent Iro	n Reduct	ion in Tille	d Soils (C	6) Geomorphic Position (D2)
Iron De	posits (B5)			Thin Muck	Surface	(C7)		FAC-Neutral Test (D5)
Inundat	tion Visible on	Aerial Im	agery (B7)	Gauge or	Well Data	(D9)		
Sparsel	ly Vegetated C	oncave	Surface (B	8) Other (Ex	plain in Re	emarks)		
Field Obser	rvations:							
Surface Wa	ter Present?	Ye	s N	o Depth (in	ches):			
Water Table	e Present?	Ye	sN	o✓ Depth (in	ches):			
Saturation F	Present?	Ye	s N	o _ ✓ Depth (in	ches):		Wet	land Hydrology Present? Yes No
(includes ca	apillary fringe)	otroom o		nitoring well, aerial	nhataa ni	raviava ina	nactions)	if available.
Describe Ke	ecoru <del>c</del> u Dala (	suealli (	gauge, mor	morning well, aerial	ριτοιοδ, βΙ	evious IIIS	pections),	, II available.
Remarks:								
	ology indi	cators	preser	nt.				
,,	g,an		F. 5501					

Project/Site: Tree Farm Property	(	City/Cou	unty: Waukes	ha County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises				State: Wisconsin Sampling Point: P13
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mikayl				
Landform (hillslope, terrace, etc.): Other				
Slope (%): <u>0-2</u> Lat: <u>42.955453</u>				
Soil Map Unit Name: Houghton muck, 0 to 2 percent				
Are climatic / hydrologic conditions on the site typical for this t				
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology nat				
				eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sl	nowing	samp	oling point ic	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No		ı	s the Sampled	Area
Hydric Soil Present? Yes _ ✓ No		\	within a Wetlan	d? Yes No✓
Wetland Hydrology Present? Yes No No				
	o oro i	n tha	watter the	n normal range
APT analysis indicates climatic condition	is are i	n the	weller ina	in normai range.
<b>VEGETATION</b> – Use scientific names of plants.				
			nant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 )				Number of Dominant Species That Are OBL, FACW, or FAC:4 (A)
1. Acer negundo 2.				That Are OBL, FACW, or FAC:4 (A)
3				Total Number of Dominant Species Across All Strata: 7 (B)
4				
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 57.14 (A/B)
	60.0	= Total	Cover	
Sapling/Shrub Stratum (Plot size: 15 )	4.0		LIDI	Prevalence Index worksheet:
1. <u>Lonicera mackii</u>				Total % Cover of: Multiply by:
2				OBL species 0.00 x 1 = 0.00 FACW species 65.00 x 2 = 130.00
3				FAC species 60.00 x 3 = 180.00
4				FACU species 26.00 x 4 = 104.00
	10.0			UPL species 10.00 x 5 = 50.00
Herb Stratum (Plot size:)				Column Totals: <u>161.00</u> (A) <u>464.00</u> (B)
1. Impatiens capensis		<u>Y</u>	<u>FACW</u>	5
2. <u>Vitis riparia</u>		<u>Y</u>		Prevalence Index = B/A = 2.88
3. Parthenocissus quinquefolia				Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation
4. Hesperis matronalis			<u>FACU</u>	✓ 2 - Dominance Test is >50%
5. <u>Circaea canadensis</u>			<u>FACU</u>	✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
6				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				— Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10				
Woody Vine Stratum (Plot size: 30 )	71.0	= Total	Cover	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Vitis riparia</u>	15	Υ	FACW	
2. Parthenocissus guinguefolia		Y		Hydrophytic Vegetation
	20.0			Present? Yes <u>√</u> No
Remarks: (Include photo numbers here or on a separate sh	20.0 eet.)	= Iotal	Cover	
Temania. (moiddo prioto mamboro noro or on a doparate dr	-5,			

Profile Desc	cription: (D	escribe	to the dept	h needed to docu	ment the	indicator	or confir	m the absence of indicators.)	
Depth		Matrix			x Feature		. 2		
(inches)	Color (r	-	<u></u> %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	· · · · · · · · · · · · · · · · · · ·	
0-24	_10YR	2/1	<u>75</u>		_			MUCK	
	_10YR	3/2	25					MUCK_	
					-				
		n, D=Dep	letion, RM=	Reduced Matrix, M	S=Maske	d Sand Gr	ains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix	
Hydric Soil				0	01114	- (nin (O 4)		Indicators for Problematic Hydric Soils <sup>3</sup> :	
<u>√</u> Histosol	r (A1) pipedon (A2	)			Gleyed Ma			Coast Prairie Redox (A16)	
	istic (A3)	,			Redox (St d Matrix (			— Dark Surface (S7)	
	en Sulfide (A	4)			,	neral (F1)		Iron-Manganese Masses (F12)	
Stratified	d Layers (As	5)			Gleyed M			Very Shallow Dark Surface (TF12)	
2 cm Mu	, ,				ed Matrix (			Other (Explain in Remarks)	
	d Below Dar		e (A11)		Dark Surf	. ,		2	
	ark Surface	. ,				urface (F7)	)	<sup>3</sup> Indicators of hydrophytic vegetation and	
	Mucky Miner ucky Peat or		)\	Redox	Depression	ons (F8)		wetland hydrology must be present, unless disturbed or problematic.	
Restrictive								unless disturbed of problematic.	
_	_ayo. ( o.	•							
, , <u> </u>	ches):							Hydric Soil Present? Yes _ ✓ No _	
Remarks:								nyano con riccontri	
	-07								
HYDROLO									
Wetland Hy									
		num of o	ne is requir	ed; check all that a		(DO)		Secondary Indicators (minimum of two red	<u>uirea)</u>
	Water (A1)	١٥)		Water-Sta Aquatic F		` '		Surface Soil Cracks (B6)	
	ater Table (A	12)		True Aqua				<ul><li> Drainage Patterns (B10)</li><li> Dry-Season Water Table (C2)</li></ul>	
Saturation	farks (B1)			Hydrogen		` '		Crayfish Burrows (C8)	
	nt Deposits	(B2)		Oxidized			ina Roots		<b>2</b> 01
	posits (B3)	(DZ)				ed Iron (C	-	Stunted or Stressed Plants (D1)	50)
ı —	at or Crust (I	B4)				ion in Tille			
_	posits (B5)	,		Thin Mucl				FAC-Neutral Test (D5)	
-	ion Visible o	n Aerial I	magery (B7			` '			
	y Vegetated			-					
Field Obser	vations:								
Surface Wat	ter Present?	Υ	es N	No✓ Depth (ir	iches):				
Water Table	Present?	Υ	es N	No✓ Depth (ir	iches):				
Saturation P			es N	lo _ ✓ Depth (ir	iches):		Wet	tland Hydrology Present? Yes No _	<u> </u>
(includes car Describe Re	corded Data	) a (stream	gauge, mo	nitoring well, aerial	photos, p	revious ins	pections)	, if available:	
		`	2 0 / -	<b>Q</b> ,	. , , ,		/		
Remarks:									
No hydro	ology inc	dicator	s prese	nt.					
Soil profi	ile dry								

Project/Site: Tree Farm Property		City/County	y: <u>Waukes</u>	ha County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises				State: Wisconsin Sampling Point: P14
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Matt	Stangel	Section, To	ownship, Rar	nge: sec 30 T006N R020E
Landform (hillslope, terrace, etc.): Ditch			Local relief (	concave, convex, none): Concave
Slope (%): 3-7 Lat: 42.955524		Long: -88	.170301	Datum: WGS84
Soil Map Unit Name: Houghton muck, 0 to 2 percent				
Are climatic / hydrologic conditions on the site typical for this				G
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology na				eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s				
Hadaahata Vaastata Baasata Vaa				
Hydrophytic Vegetation Present? Yes _ ✓ No Hydric Soil Present? Yes _ ✓ No			he Sampled	
Wetland Hydrology Present? Yes _ ✓ No		witl	hin a Wetlan	d? Yes <u>√</u> No
Remarks:				
APT analysis indicates climatic condition	ns are i	n the w	etter tha	n normal range.
<b>VEGETATION</b> – Use scientific names of plants.				
	Absolute		t Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:30) 1			Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5			- <u>-                                    </u>	That Are OBL, FACW, or FAC: 100.00 (A/B)
Sapling/Shrub Stratum (Plot size:15)	0	= Total Co	over	Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2.				OBL species <u>12.00</u> x 1 = <u>12.00</u>
3				FACW species <u>15.00</u> x 2 = <u>30.00</u>
4				FAC species $2.00 \times 3 = 6.00$
5				FACU species x 4 = 0.00
Herb Stratum (Plot size:)	0	= Total Co	over	UPL species $0.00$ x 5 = $0.00$
1. Impatiens capensis	10	Υ	FACW	Column Totals: <u>29.00</u> (A) <u>48.00</u> (B)
Angelica atropurpurea		Y	OBL	Prevalence Index = $B/A = 1.66$
3. Phalaris arundinacea		N	FACW	Hydrophytic Vegetation Indicators:
4. Solanum dulcamara	_	N	FAC	√ 1 - Rapid Test for Hydrophytic Vegetation
5. Symphyotrichum lateriflorum	2	N	FACW	√ 2 - Dominance Test is >50%
6. <u>Epilobium coloratum</u>	2	N	OBL	✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
7				<ul> <li>4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> </ul>
8				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
9		-		— Problematic Hydrophytic Vegetation (Explain)
10		Tatalo		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30 )	29.0	= Total Co	over	be present, unless disturbed or problematic.
1				Hydrophytic
2				Vegetation Present? Yes No
		= Total Co	over	165 ¥ NU
Remarks: (Include photo numbers here or on a separate sh	neet.)			

Profile Desc	cription: (D	escribe	to the depth	needed to docu	ment the	indicator	or confir	m the absence	of indicators.)
Depth		Matrix			x Feature		. 2	_	
(inches)	Color (			Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	_10YR	2/1	100		_			MMI	
6-10	<u>10YR</u>	4/1	100		- ·			SL	30% gravel
					_				
			·						
					_				
								<del>-</del>	
1 <sub>T. m. c.</sub> C. C		- D D	leties DM D	Andria de Matrico Ma	C-Maaka			21	cation: PL=Pore Lining, M=Matrix.
Hydric Soil			ietion, Rivi=R	Reduced Matrix, M	S=IVIASKE	J Sand Gra	airis.		s for Problematic Hydric Soils <sup>3</sup> :
Histosol				Sandy	Gleyed Ma	atrix (S4)			Prairie Redox (A16)
	pipedon (A2	2)			Redox (S5			<del></del>	,
	istic (A3)	,		•	d Matrix (S	,			Surface (S7)
-	en Sulfide (A				Mucky Mi	. ,			langanese Masses (F12)
	d Layers (A	5)			Gleyed M				Shallow Dark Surface (TF12)
	uck (A10) d Below Da	rk Curfoo	o (A11)		ed Matrix ( Dark Surfa			Otner	(Explain in Remarks)
	а веюж ва ark Surface		e (ATT)			ace (F6) urface (F7)		3Indicators	s of hydrophytic vegetation and
✓ Sandy N		,			Depressio	. ,			d hydrology must be present,
5 cm Mu	ucky Peat o	r Peat (S		<del></del>	·	, ,			s disturbed or problematic.
Restrictive		served):							
Туре: <u>G</u>									
Depth (in	ches): <u>10</u>							Hydric Soil	Present? Yes No
Remarks: Auger re	funcion	4 Oin							
HYDROLO	GY .								
Wetland Hy		dicators:							
_				d; check all that a	nnlv)			Seconda	ary Indicators (minimum of two required)
	Water (A1)		ric is require	Water-Sta		res (R9)			face Soil Cracks (B6)
	ater Table (			Aquatic F		, ,		·	inage Patterns (B10)
✓ Saturati		,		True Aqua					-Season Water Table (C2)
l —	larks (B1)			Hydrogen		,			yfish Burrows (C8)
	nt Deposits	(B2)		Oxidized			ing Roots		uration Visible on Aerial Imagery (C9)
Drift De	posits (B3)			Presence	of Reduce	ed Iron (C4	1)	Stu	nted or Stressed Plants (D1)
Algal Ma	at or Crust (	B4)		Recent Iro	n Reduct	ion in Tille	d Soils (C	(6) <u>√</u> Geo	omorphic Position (D2)
-	posits (B5)			Thin Mucl		. ,		<u>√</u> FAC	C-Neutral Test (D5)
			magery (B7)						
		l Concave	e Surface (B8	B) Other (Ex	plain in Re	emarks)			
Field Obser									
Surface Wat				Depth (in			-		
Water Table				Depth (in			-		_
Saturation P (includes ca	pillary fringe	e)		Depth (ir					y Present? Yes No
Wetland	hydrolo	gy ver	ified with	monitoring	wells i	n 2024	early	growing se	eason.
Remarks: Adjacent	to strea	am de <sub>l</sub>	oth 4-6in	flowing well	l.				

Project/Site: Tree Farm Property		City/Cour	nty: Waukes	na County	Sampling	Date: <u>2024-(</u>	07-26
Applicant/Owner: Workman Enterprises				State: Wisconsin	Sampling Po	oint: <u>P15</u>	
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mikayla	Datka S	Section,	Township, Ran	ge: sec 30 T006N	R020E		
Landform (hillslope, terrace, etc.): Other			_ Local relief (	concave, convex, none	e): None		
Slope (%): <u>0-2</u> Lat: <u>42.954397</u>	[	_ong: <u>-8</u>	88.169693		Datum: <u>W</u>	/GS84	
Soil Map Unit Name: Houghton muck, 0 to 2 percent s							
Are climatic / hydrologic conditions on the site typical for this tir							
Are Vegetation, Soil, or Hydrology sign						es ✓ No	0
Are Vegetation, Soil, or Hydrology natu							
SUMMARY OF FINDINGS – Attach site map sh							s, etc.
Hydrophytia Vagotation Propert?							
Hydrophytic Vegetation Present? Yes No _ Hydric Soil Present? Yes No _			the Sampled				
Wetland Hydrology Present? Yes No _		w	rithin a Wetlan	d? Yes	No _		
Remarks:		I					
APT analysis indicates climatic conditions	s are ii	n the	wetter tha	n normal range	-		
VEGETATION – Use scientific names of plants.							
			ant Indicator	Dominance Test wo	rksheet:		
<u>Tree Stratum</u> (Plot size:30)%			s? Status	Number of Dominant That Are OBL, FACW		2	(A)
2				Total Number of Dom Species Across All St		2	(B)
4				Percent of Dominant	Species	100.00	(A /D)
	0 :		Cover	That Are OBL, FACW	, or FAC: _	100.00	(A/B)
Sapling/Shrub Stratum (Plot size:15)				Prevalence Index we			
1				Total % Cover of		Multiply by:	_
2				OBL species 0			_
3				FACW species 45			_
4				FACILITIES 5		<u> </u>	_
5				FACU species 12 UPL species 0			_
Herb Stratum (Plot size:5 )	0:	= Total C	Cover	Column Totals: 62		<u> </u>	— (B)
1. <u>Urtica dioica</u>	30	Y	FACW	Column rotals. <u>Oz</u>	<u>2.00</u> (A)	133.00	_ (b)
2. Phalaris arundinacea		Y	FACW	Prevalence Inde	$ex = B/A = \underline{2}$	2.47	_
3. <u>Cirsium arvense</u>	7	N_	FACU_	Hydrophytic Vegeta			
4. Sonchus asper	5	N	<u>FACU</u>	√ 1 - Rapid Test for a contract		Vegetation	
5. Fallopia scandens	5	N	FAC_	✓ 2 - Dominance Telephone  ✓ 3 - Dominance Telephone  ✓ 4 - Dominance Telephone  ✓ 5 - Dominance Telephone  ✓ 6 - Dominance Telephone  ✓ 7 - Dominance			
6				√ 3 - Prevalence In			
7				4 - Morphologica data in Rema	I Adaptations	(Provide sup	porting
8				Problematic Hyd			uin)
9				i iobiematic riyo	Topriytic vege	ciation (Expia	<i>)</i>
10	62.0			<sup>1</sup> Indicators of hydric be present, unless di			must
1			[	Hydrophytic		<u> </u>	
2				Vegetation			
	0 :	= Total C	Cover	Present?	res <u>√</u>	No	
Remarks: (Include photo numbers here or on a separate she		· otal C					

Profile Des	cription. (Describ	o to the dop	in necaca to aocai		illulcator	or commi	n the absence of in	idicators.)
Depth	Matrix			x Feature	- 1			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-16	2.5Y 2.5/1	100					MUCK	
<u>16-24</u>	_10YR 2/1	50					MPT	
	_10YR 3/2	50					MPT	
				_	· ——			
1	·						2.	
	Concentration, D=De Indicators:	epletion, RM=	Reduced Matrix, M	S=Maske	d Sand Gra	ains.		n: PL=Pore Lining, M=Matrix.  Problematic Hydric Soils <sup>3</sup> :
Histoso			Sandy		otriv (C1)		Coast Prair	•
	pipedon (A2)			Gleyed Ma			<u> </u>	, ,
	listic (A3)			Redox (S5 d Matrix (\$			— Dark Surface	,
	en Sulfide (A4)			,	neral (F1)		_	nese Masses (F12)
	ed Layers (A5)			Gleyed M				w Dark Surface (TF12)
2 cm M	, ,	(* ( *)		ed Matrix (	,		Other (Expl	ain in Remarks)
	ed Below Dark Surfa Park Surface (A12)	ace (A11)		Dark Surfa	ace (F6) urface (F7)		3Indicators of b	ydrophytic vegetation and
	Mucky Mineral (S1)			Depressio	, ,			Irology must be present,
	ucky Peat or Peat (	S3)		- op. ooo.o	(. 0)			urbed or problematic.
Restrictive	Layer (if observed	d):						
Type:								
Depth (in	nches):						Hydric Soil Pres	sent? Yes No
Remarks:								
HYDROLO	OGY							
	DGY ydrology Indicator	s:						
Wetland Hy	drology Indicator		red; check all that ap	oply)			Secondary In	dicators (minimum of two required)
Wetland Hy Primary Indi Surface	drology Indicator icators (minimum of Water (A1)		Water-Sta	ined Leav	` ,		Surface	Soil Cracks (B6)
Wetland Hy Primary Indi Surface	drology Indicator			ined Leav	` ,		Surface	•
Wetland Hy Primary Indi Surface High Wi	rdrology Indicator: icators (minimum of water (A1) ater Table (A2) ion (A3)		Water-Sta Aquatic Fa	ined Leav auna (B13 atic Plants	(B14)		Surface Surface Drainage	Soil Cracks (B6) Patterns (B10) Son Water Table (C2)
Wetland Hy Primary Indi Surface High Water M	ydrology Indicator. icators (minimum of wWater (A1) ater Table (A2) ion (A3) Marks (B1)		Water-Sta Aquatic Fa True Aqua Hydrogen	ined Leav auna (B13 atic Plants Sulfide O	(B14) dor (C1)		Surface Surface Drainage Dry-Seas	Soil Cracks (B6) Patterns (B10) Son Water Table (C2) Burrows (C8)
Wetland Hy Primary Indi Surface High W: Saturati Water M Sedime	ydrology Indicator icators (minimum of w Water (A1) fater Table (A2) ion (A3) Marks (B1) ent Deposits (B2)		Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	ined Leav auna (B13 atic Plants Sulfide O Rhizosphe	(B14) dor (C1) eres on Liv	-	Surface Surfac	Soil Cracks (B6) Patterns (B10) Son Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9)
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Wetland Hy Primary Indi  Surface High Water Now Sedime Drift De Algal Mater Now Sedime Iron De Inundat Sparsel Field Obser Surface Water Table Saturation F (includes ca	rdrology Indicator: icators (minimum of e Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) ion Visible on Aeria ly Vegetated Conca rvations: ter Present? e Present? Present?	I Imagery (Bive Surface (I	Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized Fa  Presence  Recent Irc  Thin Muck  7) Gauge or  B8) Other (Exp  No ✓ Depth (in  No ✓ Depth (in	ined Leave auna (B13 atic Plants Sulfide O Rhizosphe of Reduct Surface Well Data blain in Reches): ches): ches]	(B14) (B14) (dor (C1) eres on Liv ed Iron (C4) dion in Tiller (C7) (D9) emarks)	d Soils (Ce	Surface S Drainage Dry-Seas Crayfish (C3) Saturation Stunted of FAC-Net	Soil Cracks (B6) Patterns (B10) Son Water Table (C2) Burrows (C8) Or Visible on Aerial Imagery (C9) Or Stressed Plants (D1) Othic Position (D2)
Wetland Hy Primary Indi  Surface High Water Now Sedime Drift De Algal Mater Now Sedime Iron De Inundat Sparsel Field Obser Surface Water Table Saturation F (includes ca	rdrology Indicator: icators (minimum of e Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) ion Visible on Aeria ly Vegetated Conca rvations: ter Present? e Present? Present?	I Imagery (Bive Surface (I	Water-Sta  — Aquatic Fa — True Aqua — Hydrogen — Oxidized Fa — Presence — Recent Iro — Thin Muck 7) — Gauge or B8) — Other (Exp	ined Leave auna (B13 atic Plants Sulfide O Rhizosphe of Reduct Surface Well Data blain in Reches): ches): ches]	(B14) (B14) (dor (C1) eres on Liv ed Iron (C4) dion in Tiller (C7) (D9) emarks)	d Soils (Ce	Surface S Drainage Dry-Seas Crayfish (C3) Saturation Stunted of FAC-Net	Soil Cracks (B6) Patterns (B10) Son Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) For Stressed Plants (D1) Phic Position (D2) Stral Test (D5)
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Project/Site: Tree Farm Property	(	City/County:	Waukes	sha County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises				State: Wisconsin Sampling Point: P16
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Matt	Stangel	Section, To	wnship, Ra	nge: sec 30 T006N R020E
Landform (hillslope, terrace, etc.): Other			ocal relief	(concave, convex, none): None
Slope (%): 0-2 Lat: 42.953269		Long: <u>-88.</u>	169468	Datum: WGS84
Soil Map Unit Name: Houghton muck, 0 to 2 percent	slopes			NWI classification: None
Are climatic / hydrologic conditions on the site typical for this t				
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology nat				
SUMMARY OF FINDINGS – Attach site map sl				
Hydrophytic Vegetation Present? Yes No	1	1-44	. C	A
Hydric Soil Present? Yes No	/	2.35%	e Sampled In a Wetlar	
Wetland Hydrology Present? Yes No		With	in a victiai	103NO
Remarks:				
APT analysis indicates climatic condition	s are i	n the we	etter tha	an normal range.
VEGETATION – Use scientific names of plants.				
	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30</u> )		Species?		Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
2.				S to be a second of the second
3.				Total Number of Dominant Species Across All Strata:3(B)
4.				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
Sapling/Shrub Stratum (Plot size:15)	0_	= Total Cov	er	Prevalence Index worksheet:
1. Gleditsia triacanthos	10	V	FACIL	Total % Cover of: Multiply by:
2			17100	OBL species x1 =0.00
3.				FACW species 22.00 x 2 = 44.00
4.				FAC species <u>10.00</u> x 3 = <u>30.00</u>
5,				FACU species <u>30.00</u> x 4 = <u>120.00</u>
	10.0	= Total Cov	er	UPL species x 5 = 0.00
Herb Stratum (Plot size: 5 )  1. Impatiens capensis	20	Y	EACIM	Column Totals: <u>62.00</u> (A) <u>194.00</u> (B)
Arctium minus		Y	FACU	Prevalence Index = B/A = 3.13
3. Solanum dulcamara		100	FAC	Hydrophytic Vegetation Indicators:
4. Symphyotrichum lateriflorum				1 - Rapid Test for Hydrophytic Vegetation
5.				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 <sup>1</sup>
7				4 - Morphological Adaptations¹ (Provide supporting
8				data in Remarks or on a separate sheet)
9				Problematic Hydrophytic Vegetation¹ (Explain)
10				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30 )	52.0	= Total Cov	rer	be present, unless disturbed or problematic.
1				Hydrophytic
2				Vegetation
	0	= Total Cov	er	Present? Yes No
Remarks: (Include photo numbers here or on a separate sh	eet.)			
Nursery trees not counted because they	are pla	anted.		
ment of salabate and salabate salabate				

SOIL	Sampling Point: P16

Depth inches)	Color (	moist)	%	Color	(moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-8	N	2.5/0	100		moist	- 70	Type		MUCK	Nomana
	0.002200	-2.5	7.0	_		-				
8-24	_10YR	3/2							<u>PEAT</u> .	
	oncentration Indicators:		etion, RM	=Reduced		S=Maske		ains.	Indicators f	ation: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils <sup>3</sup> : Prairie Redox (A16)
	pipedon (A2	2)		-		Redox (S			Dark Su	urface (S7)
	istic (A3)	ár.		-		d Matrix (				nganese Masses (F12)
	en Sulfide (A			-		4 - 1	neral (F1)			nallow Dark Surface (TF12)
	d Layers (A	5)		-		Gleyed M				Explain in Remarks)
	uck (A10) d Below Da	rk Surface	(Δ11)	-		ed Matrix ( Dark Surf			Other (E	-Apiani in Remarks)
	ark Surface		(Δ11)	-			urface (F7	)	3Indicators	of hydrophytic vegetation and
_	Mucky Mine				_	Depression		,		hydrology must be present,
	ucky Peat o		)	_		- 31/3-3-0	,,,,,,			disturbed or problematic.
	Layer (if ol								1	
Type:									11-07-	
Donth (in	10 met 27								Hydric Soil F	Present? Yes No 🗸
	nches):								Tryunc son 1	165 165
emarks:									Hydric Soil 1	163 160
emarks:  'DROLO 'etland Hy	)GY	dicators:		red; chec	k all that a	pply)				
emarks:  'DROLO 'etland Hy rimary Indi	OGY rdrology Inc	dicators: mum of o		red; chec	k all that a Water-Sta		ves (B9)		Secondar	
PEROLO PETIANDE HAVE TENER TO THE PETIAN TO THE PET	OGY rdrology Inc cators (mini	dicators: mum of o				ained Leav			Secondar Surfa	y Indicators (minimum of two require
DROLO etland Hy imary Indi _ Surface	OGY odrology Inc cators (mini Water (A1) ater Table (	dicators: mum of o			Water-Sta	ained Leav auna (B13	3)		Secondar — Surfa — Drain	y Indicators (minimum of two require
DROLO  Tetland Hy  rimary Indi  Surface  High Wa  Saturati	OGY odrology Inc cators (mini Water (A1) ater Table (	dicators: mum of o			Water-Sta Aquatic F True Aqua Hydrogen	ained Leav auna (B13 atic Plants Sulfide O	3) s (B14) dor (C1)		Secondar Surfa Drain Dry-S Crayf	ry Indicators (minimum of two require nce Soil Cracks (B6) nage Patterns (B10)
/DROLO /etland Hy rimary Indi _ Surface _ High Wa _ Saturati _ Water M _ Sedime	ody drology Indicators (mini Water (A1) ater Table (a ion (A3) Marks (B1) nt Deposits	dicators: mum of or (A2)			Water-Sta Aquatic F True Aqua Hydrogen Oxidized	ained Leav auna (B13 atic Plants Sulfide O Rhizosphe	B) (B14) odor (C1) eres on Liv		Secondar Surfa Drain Dry-S Crayf	ry Indicators (minimum of two require nce Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)
/DROLO /etland Hy rimary Indi _ Surface _ High Wa _ Saturati _ Water M _ Sedime _ Drift De	ody drology Indicators (mini- water (A1) ater Table (A) don (A3) Marks (B1) nt Deposits posits (B3)	dicators: mum of or A2) (B2)			Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence	ained Leav auna (B13 atic Plants Sulfide O Rhizosphe of Reduce	B) G (B14) Ddor (C1) Erres on Lived Iron (C4)	4)	Secondar Surfa Drain Dry-S Crayf (C3) Satur Stunt	y Indicators (minimum of two require ice Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) led or Stressed Plants (D1)
/DROLO /etland Hy rimary Indi _ Surface _ High Wa _ Saturati _ Water N _ Sedime _ Drift De _ Algal Ma	ody rdrology Inc cators (mini Water (A1) ater Table (A ion (A3) Marks (B1) nt Deposits posits (B3) at or Crust (	dicators: mum of or A2) (B2)			Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent In	ained Leavauna (B13 atic Plants Sulfide O Rhizosphe of Reducton Reduct	3) 5 (B14) 6 dor (C1) 6 eres on Lived Iron (C4) 6 ion in Tille	4)	Secondar  Surfa  Drain  Dry-S  Crayf  (C3) Satur  Stunt  Geon	ry Indicators (minimum of two required to Soil Cracks (B6) that age Patterns (B10) the Season Water Table (C2) the Burrows (C8) that or Stressed Plants (D1) the or Stressed Plants (D1) the or Stressed Plants (D2)
POROLO Petland Hy rimary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma	ody rdrology Indicators (minited Water (A1)) ater Table (A3) Marks (B1) nt Deposits (B3) at or Crust (posits (B5)	dicators: mum of or A2) (B2) B4)	ne is requ		Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iro Thin Muci	ained Leavaluna (B13 atic Plants Sulfide O Rhizosphe of Reduct on Reduct k Surface	B) G (B14) Hodor (C1) Heres on Lived Iron (C4) Hodon in Tille (C7)	4)	Secondar  Surfa  Drain  Dry-S  Crayf  (C3) Satur  Stunt  Geon	y Indicators (minimum of two require ice Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) led or Stressed Plants (D1)
POROLO Petland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Inundati	ody rdrology Inc cators (mini Water (A1) ater Table (A1) ion (A3) Marks (B1) nt Deposits posits (B3) at or Crust ( posits (B5) ion Visible of	dicators: mum of or A2) (B2) B4)	ne is requ	7)	Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iru Thin Muci Gauge or	ained Leavauna (B13 atic Plants Sulfide O Rhizosphe of Reduct on Reduct k Surface Well Data	B) s (B14) dor (C1) eres on Liv ed Iron (Ca ion in Tille (C7) a (D9)	4)	Secondar  Surfa  Drain  Dry-S  Crayf  (C3) Satur  Stunt  Geon	ry Indicators (minimum of two required to Soil Cracks (B6) that age Patterns (B10) the Season Water Table (C2) the Burrows (C8) that or Stressed Plants (D1) the or Stressed Plants (D1) the or Stressed Plants (D2)
POROLO Petland Hy Pimary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Inundati Sparsel	ody rdrology Incators (mini Water (A1) ater Table (and taken (B1) ater Table (B1) ater Table (B3) at or Crust (B5) ion Visible of	dicators: mum of or A2) (B2) B4)	ne is requ	7)	Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iro Thin Muci	ained Leavauna (B13 atic Plants Sulfide O Rhizosphe of Reduct on Reduct k Surface Well Data	B) s (B14) dor (C1) eres on Liv ed Iron (Ca ion in Tille (C7) a (D9)	4)	Secondar  Surfa  Drain  Dry-S  Crayf  (C3) Satur  Stunt  Geon	ry Indicators (minimum of two require nce Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) red or Stressed Plants (D1) norphic Position (D2)
POROLO Petland Hyrimary Indi Surface High Water M Sedime Drift De Algal Ma Iron De Inundati Sparsel	ody rdrology Inc cators (mini Water (A1) ater Table (A1) int Deposits (B1) nt Deposits (B3) at or Crust ( posits (B5) ion Visible of y Vegetated rvations:	dicators: mum of or A2) (B2) B4) on Aerial In	ne is requi magery (B Surface (	7)	Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iro Thin Muci Gauge or Other (Ex	ained Leavauna (B13 atic Plants Sulfide O Rhizosphe of Reduct on Reduct k Surface Well Data plain in Re	B) s (B14) dor (C1) eres on Liv ed Iron (Cd ion in Tille (C7) a (D9) emarks)	4) d Soils (Co	Secondar  Surfa  Drain  Dry-S  Crayf  (C3) Satur  Stunt  Geon	ry Indicators (minimum of two require nce Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) red or Stressed Plants (D1) norphic Position (D2)
PROLO Petland Hy rimary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Inundati Sparsel ield Obser	rdrology Inc cators (mini Water (A1) ater Table (A ion (A3) Marks (B1) nt Deposits (B3) at or Crust (posits (B5) ion Visible of y Vegetated rvations:	dicators: mum of or A2) (B2) (B2) on Aerial In I Concave	magery (B Surface (	7) B8)	Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iro Thin Muci Gauge or Other (Ex	ained Leavauna (B13 atic Plants Sulfide O Rhizosphe of Reduct on Reduct k Surface Well Data plain in Ro	B) c (B14) dor (C1) eres on Liv ed Iron (C- ion in Tille (C7) a (D9) emarks)	4) d Soils (Co	Secondar  Surfa  Drain  Dry-S  Crayf  (C3) Satur  Stunt  Geon	ry Indicators (minimum of two require nce Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) red or Stressed Plants (D1) norphic Position (D2)
POROLO Petland Hy rimary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Inundati Sparsel pield Obser urface Water Table	ody rdrology Incators (minited water Table (alion (A3)) Marks (B1) Int Deposits (B3) Int Or Crust (posits (B5)) Int Or Crust (prosits (B5)) Int Or	dicators: mum of or A2) (B2) B4) on Aerial In I Concave	nagery (B Surface (	7)	Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iro Thin Mucl Gauge or Other (Ex	ained Leavauna (B13 atic Plants Sulfide O Rhizosphe of Reduct on Reduct & Surface Well Data plain in Reductes):nches):nches):nches):nches):nches):nches):nches):nches):nches):nches)	B) c (B14) dor (C1) eres on Liv ed Iron (C- ion in Tille (C7) a (D9) emarks)	4) d Soils (Co	Secondar  Surfa Drain Dry-S Crayf (C3) Satur Stunt G Geon FAC-	ry Indicators (minimum of two required note Soil Cracks (B6) (B6) (B6) (B6) (B6) (B6) (B6) (B6)
/DROLO /etland Hy rimary Indi _ Surface _ High Wa _ Saturati _ Water M _ Sedime _ Drift De _ Algal Ma _ Iron De _ Inundati _ Sparsel ield Obser urface Wat /ater Table aturation P ncludes ca escribe Re	ody rdrology Incators (minicators (minicators (minicators (minicator)) rdrology Incator (A3) rdrology Incator	dicators: mum of on A2) (B2) B4) on Aerial In I Concave Ye Ye 3	magery (B Surface (	7)	Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iru Thin Mucl Gauge or Other (Ex	ained Leavanne (B13 atic Plants Sulfide O Rhizosphe of Reduct on Reduct k Surface Well Data plain in Reductes):	B) G (B14) Gdor (C1) Geres on Liv ed Iron (C- ion in Tille (C7) G (D9) Gemarks)	4) d Soils (Co	Secondar  Surfa  Drain  Dry-S  Crayf  (C3) Satur  Stunt  6) Geon  FAC-	ry Indicators (minimum of two required the Soil Cracks (B6) (B6) (B6) (B6) (B6) (B6) (B6) (B6)
/DROLO /etland Hy rimary Indi _ Surface _ High Wa _ Saturati _ Water M _ Sedime _ Drift De _ Algal Ma _ Iron De _ Inundati _ Sparsel ield Obser urface Wat /ater Table aturation P ncludes ca escribe Re	ody rdrology Inc cators (mini Water (A1) ater Table (A1) ater Table (A1) int Deposits posits (B3) at or Crust ( posits (B5) ion Visible of y Vegetated rvations: ter Present? Present?	dicators: mum of on A2) (B2) B4) on Aerial In I Concave Ye Ye 3	magery (B Surface (	7)	Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iru Thin Mucl Gauge or Other (Ex	ained Leavanne (B13 atic Plants Sulfide O Rhizosphe of Reduct on Reduct k Surface Well Data plain in Reductes):	B) G (B14) Gdor (C1) Geres on Liv ed Iron (C- ion in Tille (C7) G (D9) Gemarks)	4) d Soils (Co	Secondar  Surfa Drain Dry-S Crayf (C3) Satur Stunt G Geon FAC-	ry Indicators (minimum of two required note Soil Cracks (B6) (B6) (B6) (B6) (B6) (B6) (B6) (B6)
/DROLO /etland Hy rimary Indi _ Surface _ High Wa _ Saturati _ Water M _ Sedime _ Drift De _ Algal Ma _ Iron De _ Inundati _ Sparsel ield Obser urface Wat /ater Table aturation P ncludes ca escribe Re lonitorir	ody rdrology Incators (minicators (minicators (minicators (minicator)) rdrology Incator (A3) rdrology Incator	dicators: mum of on A2) (B2) B4) on Aerial In I Concave Ye Ye 3	magery (B Surface (	7)	Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iru Thin Mucl Gauge or Other (Ex	ained Leavanne (B13 atic Plants Sulfide O Rhizosphe of Reduct on Reduct k Surface Well Data plain in Reductes):	B) G (B14) Gdor (C1) Geres on Liv ed Iron (C- ion in Tille (C7) G (D9) Gemarks)	4) d Soils (Co	Secondar  Surfa  Drain  Dry-S  Crayf  (C3) Satur  Stunt  6) Geon  FAC-	ry Indicators (minimum of two required note Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ned or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)
/DROLO /etland Hy rimary Indi _ Surface _ High Wa _ Saturati _ Water M _ Sedime _ Drift De _ Algal Ma _ Iron De _ Inundati _ Sparsel ield Obser urface Wat /ater Table aturation P ncludes ca	ody rdrology Incators (minicators (minicators (minicators (minicator)) rdrology Incator (A3) rdrology Incator	dicators: mum of on A2) (B2) B4) on Aerial In I Concave Ye Ye 3	magery (B Surface (	7)	Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iru Thin Mucl Gauge or Other (Ex	ained Leavanne (B13 atic Plants Sulfide O Rhizosphe of Reduct on Reduct k Surface Well Data plain in Reductes):	B) G (B14) Gdor (C1) Geres on Liv ed Iron (C- ion in Tille (C7) G (D9) Gemarks)	4) d Soils (Co	Secondar  Surfa  Drain  Dry-S  Crayf  (C3) Satur  Stunt  6) Geon  FAC-	ry Indicators (minimum of two required the Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) the or Stressed Plants (D1) morphic Position (D2) Neutral Test (D5)
/DROLO /etland Hy rimary Indi _ Surface _ High Wa _ Saturati _ Water M _ Sedime _ Drift De _ Algal Ma _ Iron De _ Inundati _ Sparsel ield Obser urface Wat /ater Table aturation P ncludes ca escribe Re lonitorir	ody rdrology Incators (minicators (minicators (minicators (minicator)) rdrology Incator (A3) rdrology Incator	dicators: mum of on A2) (B2) B4) on Aerial In I Concave Ye Ye 3	magery (B Surface (	7)	Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iru Thin Mucl Gauge or Other (Ex	ained Leavanne (B13 atic Plants Sulfide O Rhizosphe of Reduct on Reduct k Surface Well Data plain in Reductes):	B) G (B14) Gdor (C1) Geres on Liv ed Iron (C- ion in Tille (C7) G (D9) Gemarks)	4) d Soils (Co	Secondar  Surfa  Drain  Dry-S  Crayf  (C3) Satur  Stunt  6) Geon  FAC-	ry Indicators (minimum of two required the Soil Cracks (B6) (B6) (B6) (B6) (B6) (B6) (B6) (B6)

Project/Site: Tree Farm Property	(	City/Coun	ty: City of Ne	w Berlin, Waukesha Co. Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises				State: WI Sampling Point: P17
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Matt	Stangel S	Section, T	Γownship, Rar	nge: sec 30 T006N R020E
Landform (hillslope, terrace, etc.):				
Slope (%): Lat: <u>42.953233</u>				
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for this t				
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology nat				eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map si				
Hadron de Verrat de Processo				-
Hydrophytic Vegetation Present? Yes _ ✓ No Hydric Soil Present? Yes _ ✓ No			the Sampled	
Wetland Hydrology Present? Yes No		wit	thin a Wetlan	nd? Yes <u>√</u> No
Remarks:				
APT analysis indicates climatic condition	s are ir	n the v	wetter tha	n normal range.
<b>VEGETATION</b> – Use scientific names of plants.				
			nt Indicator ? Status	Dominance Test worksheet:
1. Acer negundo				Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
2				
3				Total Number of Dominant Species Across All Strata: 3 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
Sapling/Shrub Stratum (Plot size:15)	60.0	= Total C	over	Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2.				OBL species 0.00 x 1 = 0.00
3.				FACW species <u>15.00</u> x 2 = <u>30.00</u>
4				FAC species <u>65.00</u> x 3 = <u>195.00</u>
5				FACU species <u>0.00</u> x 4 = <u>0.00</u>
Harb Charture (Dietaine)	0 =	= Total C	over	UPL species <u>3.00</u> x 5 = <u>15.00</u>
Herb Stratum (Plot size: 5 )  1. Impatiens capensis	15	~	FACW	Column Totals: <u>83.00</u> (A) <u>240.00</u> (B)
Geum canadense		Y	FAC	Prevalence Index = B/A = 2.89
3. Rubus occidentalis		N	UPL	Hydrophytic Vegetation Indicators:
4.				1 - Rapid Test for Hydrophytic Vegetation
5				✓ 2 - Dominance Test is >50%
6				✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
7		-		4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
9				— Froblematic Hydrophytic Vegetation (Explain)
10.	23.0			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 30				, and a production of the state
1				Hydrophytic Vegetation
	_			Present? Yes <u>√</u> No
Remarks: (Include photo numbers here or on a separate sh		= Total C	over	
Tromano. (molude prioto numbers nere di un a separate si	OG(.)			

Profile Desc	cription: (Describe	to the depth n	eeded to docu	ment the	indicator of	or confirm	the absence of indicators.)
Depth	Matrix			x Feature			
(inches)	Color (moist)		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
0-4	2.5Y 2.5/1	100			_		MMI
4-24	10YR 3/2	100					MPT
		· <del></del>					
<del> </del>							
	oncentration, D=Dep	letion, RM=Re	duced Matrix, M	S=Maske	d Sand Gra	ains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil			0	01	- (n'a (O 4)		Indicators for Problematic Hydric Soils <sup>3</sup> :
/_ Histosol	(A1) pipedon (A2)				atrix (S4)		Coast Prairie Redox (A16)
	istic (A3)		— Sandy Strippe	Redox (S: d Matrix (			— Dark Surface (S7)
	en Sulfide (A4)				ineral (F1)		Iron-Manganese Masses (F12)
	d Layers (A5)				latrix (F2)		Very Shallow Dark Surface (TF12)
	uck (A10)			ed Matrix			Other (Explain in Remarks)
	d Below Dark Surface	e (A11)		Dark Surf	. ,		3
	ark Surface (A12)				urface (F7)		<sup>3</sup> Indicators of hydrophytic vegetation and
	Mucky Mineral (S1) ucky Peat or Peat (S3	3)	Redox	Depression	nis (Fo)		wetland hydrology must be present, unless disturbed or problematic.
	Layer (if observed):	,					unios distances of problematic.
	,						
	ches):		_				Hydric Soil Present? Yes <u>✓</u> No
Remarks:	,						
HYDROLO	GY						
Wetland Hy	drology Indicators:						
Primary India	cators (minimum of o	ne is required;	check all that a	oply)			Secondary Indicators (minimum of two required)
Surface	Water (A1)		Water-Sta	ined Leav	ves (B9)		Surface Soil Cracks (B6)
High Wa	ater Table (A2)		Aquatic F	auna (B13	3)		Drainage Patterns (B10)
✓ Saturation	on (A3)		True Aqua	atic Plants	(B14)		Dry-Season Water Table (C2)
Water M	1arks (B1)		Hydrogen	Sulfide C	dor (C1)		Crayfish Burrows (C8)
Sedime	nt Deposits (B2)		Oxidized	Rhizosph	eres on Livi	ng Roots (	(C3) Saturation Visible on Aerial Imagery (C9)
Drift De	posits (B3)		Presence	of Reduc	ed Iron (C4	.)	Stunted or Stressed Plants (D1)
Algal Ma	at or Crust (B4)		Recent Iro	n Reduct	ion in Tilled	d Soils (C6	
Iron Dep	, ,		Thin Mucl		` '		✓ FAC-Neutral Test (D5)
	on Visible on Aerial I	,	Gauge or		' '		
	y Vegetated Concave	Surface (B8)	Other (Ex	plain in R	emarks)		
Field Obser							
Surface Wat			Depth (in			_	
Water Table			Depth (in			_	
Saturation P (includes car	pillary fringe)		Depth (in				and Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Wetland hydrology verified with monitoring wells in 2024 early growing season.							
Remarks:	to WW-7E, al	hout 1in w	ater on su	rface			
, rajacent	. to vvvv-r L, a	Jour IIII W	rator orr su	11406			

Project/Site: Tree Farm Property		City/Co	ounty: \(\frac{1}{2}\)	Naukesl	na County Sampling Date: 2024-07-26	
Applicant/Owner: Workman Enterprises				State: Wisconsin Sampling Point: P18		
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Ma						
Landform (hillslope, terrace, etc.): Toeslope						
Slope (%): <u>3-7</u> Lat: <u>42.953183</u>						
Soil Map Unit Name: Houghton muck, 0 to 2 percer						
Are climatic / hydrologic conditions on the site typical for this						
Are Vegetation, Soil, or Hydrologys						
Are Vegetation, Soil, or Hydrology r					ded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map						
	4 10 00 0	Samp	pinig	point io	cations, transects, important reatures, etc.	
Hydrophytic Vegetation Present? Yes _ ✓ N			Is the	Sampled A	Area	
Hydric Soil Present? Yes _ ✓ N Wetland Hydrology Present? Yes _ ✓ N			within	a Wetland	1? Yes No	
Remarks:						
APT analysis indicates climatic condition	ns are i	in the	e wet	ter than	n normal range.	
VEGETATION LIEU SIGNIFE				C. 11. 11	A CLOSE GALETY OF	
VEGETATION – Use scientific names of plants.	Absolute	Domi	inant Ir	ndicator	Dominance Test worksheet:	
Tree Stratum (Plot size:)	% Cover	Speci	ies?	Status	Number of Dominant Species	
1. Acer negundo					That Are OBL, FACW, or FAC:2 (A)	
2					Total Number of Dominant	
3					Species Across All Strata: (B)	
4		-		_	Percent of Dominant Species	
5	30.0	= Tota	I Cove		That Are OBL, FACW, or FAC: 100.00 (A/B)	
Sapling/Shrub Stratum (Plot size: 15 )		- Iola	ii Oovei		Prevalence Index worksheet:	
1					Total % Cover of: Multiply by:	
2					OBL species <u>0.00</u> x 1 = <u>0.00</u>	
3				-	FACW species 25.00 x 2 = 50.00	
4					FAC species 30.00 x 3 = 90.00 FACU species 2.00 x 4 = 8.00	
5		- Tota	1.00	-	UPL species 0.00 x 5 = 0.00	
Herb Stratum (Plot size:)		= 10la	al Cover		Column Totals: 57.00 (A) 148.00 (B)	
1. Impatiens capensis		Y	<u></u> _ F	ACW		
2. Phalaris arundinacea	5	N	1 F	ACW	Prevalence Index = B/A = 2.6	
3. <u>Cirsium arvense</u>	2	N	1	FACU	Hydrophytic Vegetation Indicators:	
4					1 - Rapid Test for Hydrophytic Vegetation	
5					✓ 2 - Dominance Test is >50%  ✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>	
6					4 - Morphological Adaptations <sup>1</sup> (Provide supporting	
7					data in Remarks or on a separate sheet)	
8 9					Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
10						
	27.0				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
1					The action of	
2.					Hydrophytic Vegetation	
					Present? Yes No	
Remarks: (Include photo numbers here or on a separate	_	= Tota	I Cover			
Tremains. (moldde prioto flumbers fiele of off a separate s	oneet.)					

SOIL	Sampling Point: P18

Depth   Matrix   Redox Features	
0-10 10YR 2/1 100 MUCK 10-24 10YR 3/3 100 PEAT	
10-24 10YR 3/3 100 PEAT	
Times Concentration De Dayleting BM-Reduced Makin MC-Mayled Cond Conics	
Times Co-Consentration De-Dayletian BM-Reduced Makin MC-Masked Cond Conics	
Times Co-Consentration De-Dayletian BM-Bodused Makin MC-Masked Cond Conics	
Trunck Co-Concentration De Deplation DM-Boduced Makin MC-Marked Cond Conics	
Times Co-Consentration De-Dayletian BM-Bodused Makin MC-Mayled Codd Coding	
Trues Co-Consentration De Deplation BM-Bodused Makin MC-Marked Cond Conice	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Pl=Pore Lining, M=N  Hydric Soil Indicators:  Indicators for Problematic Hydric Soil	
[2] TO HELDER	
— Histic Epipedon (A2) — Sandy Redox (S5) — Dark Surface (S7) — Stripped Matrix (S5)	
Stripped Matrix (35) Iron-Manganese Masses (F12)	
Stratified Layers (A5) Loamy Gleyed Matrix (F2) Very Shallow Dark Surface (TF12)	
2 cm Muck (A10) Depleted Matrix (F3) Other (Explain in Remarks)	
Depleted Below Dark Surface (A11) Redox Dark Surface (F6)	
Thick Dark Surface (A12) Depleted Dark Surface (F7)   3Indicators of hydrophytic vegetation are	nd
Sandy Mucky Mineral (S1) Redox Depressions (F8) wetland hydrology must be present,	,
5 cm Mucky Peat or Peat (S3) unless disturbed or problematic.	
Restrictive Layer (if observed):	
Type:	
Depth (inches): Hydric Soil Present? Yes	No
HYDROLOGY Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)  Secondary Indicators (minimum of tw	o required)
Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6)	
✓ High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10)	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)	iery (C9)
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imag	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imag         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imag         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imag         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       FAC-Neutral Test (D5)	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imag         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       FAC-Neutral Test (D5)         Inundation Visible on Aerial Imagery (B7)       Gauge or Well Data (D9)	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imag         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       FAC-Neutral Test (D5)         Inundation Visible on Aerial Imagery (B7)       Gauge or Well Data (D9)	
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✓ High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10)   ✓ Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Table (C2)   Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)   Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Image   Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)   Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)   Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutral Test (D5)   Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9)   Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)    Field Observations:  Surface Water Present?  Yes No✓ Depth (inches):	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         ✓ Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         ✓ Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Image         ✓ Depth (inches):       Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         ✓ Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         ✓ Iron Deposits (B5)       Thin Muck Surface (C7)       FAC-Neutral Test (D5)         ✓ Inundation Visible on Aerial Imagery (B7)       Gauge or Well Data (D9)         ✓ Sparsely Vegetated Concave Surface (B8)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes       No       Depth (inches):	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         ✓ Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         ✓ Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Image         ✓ Depth (inches):       Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         ✓ Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         ✓ Iron Deposits (B5)       Thin Muck Surface (C7)       FAC-Neutral Test (D5)         ✓ Inundation Visible on Aerial Imagery (B7)       Gauge or Well Data (D9)         ✓ Sparsely Vegetated Concave Surface (B8)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes       No       Depth (inches):	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         ✓ Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         ✓ Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imag         ✓ Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         ✓ Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         ✓ Iron Deposits (B5)       Thin Muck Surface (C7)       FAC-Neutral Test (D5)         ✓ Inundation Visible on Aerial Imagery (B7)       Gauge or Well Data (D9)         ✓ Sparsely Vegetated Concave Surface (B8)       Other (Explain in Remarks)         Field Observations:       Surface Water Present?       Yes       No       Depth (inches):       Under the Version of	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Image         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       FAC-Neutral Test (D5)         Inundation Visible on Aerial Imagery (B7)       Gauge or Well Data (D9)         Sparsely Vegetated Concave Surface (B8)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       ✓         Water Table Present?       Yes       No       Depth (inches):       0       Wetland Hydrology Present?       Yes       ✓         Saturation Present?       Yes       No       Depth (inches):       0       Wetland Hydrology Present?       Yes       ✓         Cincludes capillary fringe)       Oxidates and the present?       Ye	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         ✓ Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Image         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       FAC-Neutral Test (D5)         Inundation Visible on Aerial Imagery (B7)       Gauge or Well Data (D9)         Sparsely Vegetated Concave Surface (B8)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes No Depth (inches):         Water Table Present?       Yes No Depth (inches):         Saturation Present?       Yes No Depth (inches):         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Image         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       FAC-Neutral Test (D5)         Inundation Visible on Aerial Imagery (B7)       Gauge or Well Data (D9)         Sparsely Vegetated Concave Surface (B8)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       ✓         Water Table Present?       Yes       No       Depth (inches):       0       Wetland Hydrology Present?       Yes       ✓         Saturation Present?       Yes       No       Depth (inches):       0       Wetland Hydrology Present?       Yes       ✓         Cincludes capillary fringe)       Oxidates and the present?       Ye	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Drainage Patterns (B10)         ✓ Saturation (A3)       True Aquatic Plants (B14)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imag         Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       FAC-Neutral Test (D5)         Inundation Visible on Aerial Imagery (B7)       Gauge or Well Data (D9)         Sparsely Vegetated Concave Surface (B8)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       ✓         Water Table Present?       Yes       No       Depth (inches):       0       Wetland Hydrology Present?       Yes       ✓         Saturation Present?       Yes       No       Depth (inches):       0       Wetland Hydrology Present?       Yes       ✓         Cincludes capillary fringe)       Describe Recorded Data (stream gauge, monito	

Project/Site: Tree Farm Property	City/Co	ounty:	Waukesha	County	Sampling	Date: 2024-(	7-26
• •				State: Wiscons			
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Matt Stange	el Sectio	n, Tow	nship, Range	sec 30 T00	6N R020E		
Landform (hillslope, terrace, etc.): Other							
Slope (%): <u>0-2</u> Lat: <u>42.953670</u>						VGS84	
Soil Map Unit Name: Houghton muck, 0 to 2 percent slope							
Are climatic / hydrologic conditions on the site typical for this time of			_				
Are Vegetation, Soil, or Hydrology significant						Yes ✓ No	)
Are Vegetation, Soil, or Hydrology naturally p				ed, explain any a			
SUMMARY OF FINDINGS – Attach site map showing						,	s. etc.
	Ī		, ,				
Hydrophytic Vegetation Present? Yes No ✓ Hydric Soil Present? Yes ✓ No ✓			Sampled Ar				
Wetland Hydrology Present? Yes No _ ✓		withi	n a Wetland?	Yes	No _	✓	
Remarks:							
APT analysis indicates climatic conditions are	e in the	e we	tter than	normal ran	ge.		
VEGETATION – Use scientific names of plants.							
	ite Dom	inant	Indicator C	ominance Test	worksheet:		
Tree Stratum         (Plot size:			1	umber of Domina hat Are OBL, FA	ant Species CW, or FAC:	0	(A)
2				otal Number of D pecies Across Al		1	(B)
4.				ercent of Domina		0.00	(A/B)
Sapling/Shrub Stratum (Plot size:15)	= Tota	al Cove	er	revalence Index	worksheet:		
1				Total % Cove		Multiply by:	
2.				BL species			_
3.				ACW species _			_
4			_	AC species _	<u>0.00</u> x 3	= 0.00	_
5			F	ACU species _	80.00 x 4	= 320.00	_
	= Tota	al Cove	"	PL species	0.00 x 5		_
Herb Stratum (Plot size: 5 )  1. Cirsium arvense 80	\	,	EVCIT	olumn Totals: _	(A)	320.00	_ (B)
2				Prevalence I	Index = B/A =	4.0	
3				lydrophytic Veg	·		_
4				1 - Rapid Tes	t for Hydrophytic	c Vegetation	
5.			-	<del></del> -	e Test is >50%		
6				_ 3 - Prevalence	e Index is ≤3.0 <sup>1</sup>		
7			-	4 - Morpholog	gical Adaptations marks or on a s	s <sup>1</sup> (Provide supr	oorting
8						. ,	•
9			-	Problematic I	Tydropnytic veg	jetation (Expla	in)
10			1	Indicators of hyd	ric soil and wetl	and hydrology r	nust
Woody Vine Stratum (Plot size:)			i k	e present, unles			
1				ydrophytic			
2				egetation resent?	Yes	No ✓	
0	= Tota	al Cove		<del></del>			
Remarks: (Include photo numbers here or on a separate sheet.)  Old field							

Profile Des	cription: (De	escribe t	o the dept	h needed to docu	ment the	indicator	or confir	m the absence of indicators.)
Depth		Matrix			x Feature		2	-
(inches)	Color (m			Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	
0-10	2.5Y	2.5/1	100					MUCK
10-24	<u>10YR</u>	2/1	80					MUCK
	_10YR	3/2	20					MUCK
					_			
		<u> </u>						
	·							<u> </u>
l <del></del>								
		D=Depl	etion, RM=I	Reduced Matrix, M	S=Maske	d Sand Gra	ains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil				0 1		(0.1)		Indicators for Problematic Hydric Soils <sup>3</sup> :
/ Histoso	l (A1) pipedon (A2)				Gleyed Ma			Coast Prairie Redox (A16)
	listic (A3)			— Sandy	Redox (St d Matrix (			— Dark Surface (S7)
l —	en Sulfide (A	4)			,	neral (F1)		Iron-Manganese Masses (F12)
-	d Layers (A5)				Gleyed M			Very Shallow Dark Surface (TF12)
2 cm M	` ,				ed Matrix (	. ,		Other (Explain in Remarks)
-	ed Below Dark		(A11)		Dark Surfa	. ,		3
	ark Surface ( Mucky Minera	,			ed Dark St Depressio	urface (F7)	)	<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present,
	ucky Peat or		)	Redox	Depressio	ns (Fo)		unless disturbed or problematic.
	Layer (if obs		,					amos distanced or prostomation
Type:								
Depth (in	nches):							Hydric Soil Present? Yes <u>✓</u> No
Remarks:								
HYDROLO	)GY							
Wetland Hy	drology Indi	cators:						
Primary Indi	icators (minim	num of or	ne is require	ed; check all that a	oply)			Secondary Indicators (minimum of two required)
Surface	Water (A1)			Water-Sta	ined Leav	es (B9)		Surface Soil Cracks (B6)
High Wa	ater Table (A	2)		Aquatic F	auna (B13	3)		Drainage Patterns (B10)
Saturati	ion (A3)			True Aqua	atic Plants	(B14)		Dry-Season Water Table (C2)
Water N	Marks (B1)			Hydrogen	Sulfide O	dor (C1)		Crayfish Burrows (C8)
Sedime	ent Deposits (I	B2)		Oxidized	Rhizosphe	eres on Liv	ing Roots	s (C3) Saturation Visible on Aerial Imagery (C9)
Drift De	posits (B3)			Presence	of Reduce	ed Iron (C4	4)	Stunted or Stressed Plants (D1)
Algal M	at or Crust (B	4)		Recent Iro	n Reduct	ion in Tille	d Soils (C	C6) Geomorphic Position (D2)
Iron De	posits (B5)			Thin Mucl	Surface	(C7)		FAC-Neutral Test (D5)
Inundat	ion Visible on	Aerial Ir	nagery (B7)	) Gauge or	Well Data	ı (D9)		
	ly Vegetated	Concave	Surface (B	8) Other (Ex	plain in Re	emarks)		
Field Obser								
Surface Wat	ter Present?			lo <u>√</u> Depth (in				
Water Table	Present?			lo✓ Depth (in				
Saturation F		Ye	es N	lo✓ Depth (in	ches):		Wet	tland Hydrology Present? Yes No
Describe Re	pillary fringe) ecorded Data	(stream	gauge, mor	nitoring well, aerial	photos, p	revious ins	pections)	, if available:
Remarks:								
No hydro	ology ind	icator	s presei	nt. Soil profile	e dry.			

Project/Site: Tree Farm Property		City/Cou	inty: Waukes	sha County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises			*******	State: Wisconsin Sampling Point: P20
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mik	ayla Datka	Section,	Township, Rar	nge: sec 30 T006N R020E
Landform (hillslope, terrace, etc.): Other			_ Local relief (	(concave, convex, none): None
Slope (%): 0-2 Lat: 42.954127		Long: -8	38.168532	Datum: WGS84
Soil Map Unit Name: Houghton muck, 0 to 2 perce				
Are climatic / hydrologic conditions on the site typical for the				
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology				eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map				
Hydrophytic Vegetation Present? Yes✓ I	No		A William Co.	2
Hydric Soil Present? Yes I			s the Sampled	
Wetland Hydrology Present? Yes ✓		W	vithin a Wetlan	d? Yes No
Remarks:				Par Maria
APT analysis indicates climatic conditi	ons are i	in the	wetter tha	n normal range.
VEGETATION – Use scientific names of plants	S.			
Tree Stratum (Plot size: 30 )	Absolute		ant Indicator	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
2.				
3				Total Number of Dominant Species Across All Strata:2 (B)
4.				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
100 March 100 Ma		= Total	Cover	Day 11 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2
Sapling/Shrub Stratum (Plot size: 15 )				Prevalence Index worksheet:  Total % Cover of: Multiply by:
1				
2. 3.				FACW species 27.00 x 2 = 54.00
4.				FAC species 20.00 x 3 = 60.00
5.				FACU species 3.00 x 4 = 12.00
77		= Total	Cover	UPL species 0.00 x 5 = 0.00
Herb Stratum (Plot size:5				Column Totals: <u>80.00</u> (A) <u>156.00</u> (B)
Symphyotrichum puniceum		Y	OBL	December 1 OF
2. Symphyotrichum lanceolatum		Y	FAC	Prevalence Index = B/A = 1.95
3. Solidago gigantea		_N	FACW	Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation
4. <u>Euthamia graminifolia</u>		N N	FACW	✓ 2 - Dominance Test is >50%
<u>Cirsium arvense</u> <u>Salix discolor</u>		N	FACU FACW	✓ 3 - Prevalence Index is ≤3.0¹
7			_ TAOW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8.				data in Remarks or on a separate sheet)
9				— Problematic Hydrophytic Vegetation¹ (Explain)
10				
Woody Vine Stratum (Plot size: 30 )	80.0		Cover	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1				Hydrophytic
2	+0			Vegetation
The second second second second	0	= Total	Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separate		1017	C 20 57	

SOIL

Sampling Point: P20

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

(inches)	Depth		Matrix			x Feature			1	47.00
12-18 10YR 3/1 100 PEAT  18-24 10YR 3/2 100 PEAT	(inches)			%	Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup> _		Remarks
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: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Type: C=Concentration, D=Depletion, RM=Reduced Matrix, RS=Masked Sand Grains.  Type: D=Depletion Sand Matrix, RS=Masked Sand Grains.  Type: D=Depletid Below Dark Surface (A16)  Thick Dark Surface (A10)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Depleted Dark Surface (FF)  Sandy Mucly Mincral (S1)  Sandy Mucly Mincral (S1)  Sandy Mucly Mincral (S1)  Some Mucly Peat or Peat (S3)  Type: Depletion (Boserved):  Type: Depletion (RS=Masked Sand Grains)  Type: Depletid Dark Surface (A12)  Surface Water (A1)  Water-Stained Leaves (B9)  Surface Water (A1)  Water Marks (B1)  Salvaration (A3)  Truc Aquatic Pana (B13)  Salvaration (A3)  Truc Aquatic Planta (B14)  Water Marks (B1)  Sediment Deposits (B2)  Oxidized Rhizospheres on Living Roots (C3)  Sediment Deposits (B3)  Presence of Reduced Iron (C4)  Algal Mater Crust (B4)  Recent Iron Reduction in Titled Soils (C6)  Iron Deposits (B5)  Thin Muck Surface (C7)  Salvaration (A3)  Spansely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Wetland Hydrology Present? Yes No Depth (inches):  Spansely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Wetland Hydrology Present? Yes No Depth (inches):  Mater Table Present?  Yes No Depth (inches):  Metarda Hydrology Present? Yes No Depth (inches):  MW4 water Table Call Tiln  MW4 water Table Call Tiln	1.500 607	5 AC275	- Aug 1	-		-		-		
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.    Varies Soil indicators:	12-18	_10YR	3/1	100		_	بنسور	_	PEAT	
# Histos (A1)	18-24	_10YR	3/2	100					PEAT	
ydric Soil Indicators:  ∠ Histosc (A1)  — Sandy Gleyed Matrix (S4) — Histosc (A2) — Black Histic (A3) — Stripped Matrix (S5) — Black Histic (A3) — Stripped Matrix (S5) — Dark Surface (S7) — Iron-Manganese Masses (F12) — Very Shallow Dark Surface (F12) — Stratified Layers (A5) — Depleted Below Dark Surface (A11) — Thick Dark Surface (A11) — Thick Dark Surface (A12) — Sondy Mucky Mineral (F1) — To Mucky Mineral (S1) — Sondy Mucky Mineral (S1) — Sond Mucky Peat or Peat (S3)  **Retrictive Layer (if observed): — Type: — Depth (inches): — Depth (inches): — Depth (inches): — Depth (inches): — Water Table (A2) — Aquatic Fauna (B13) — Surface Water (A1) — Water Table (A2) — Aquatic Fauna (B13) — Present? — Hydrogen Sulfide Odor (C1) — Dri Pepostis (B3) — Presence of Reduced Iron (C4) — Algal Mat or Crust (B4) — Recent Iron Reduction in Tilled Soils (C6) — Inon Deposits (B3) — Presence of Reduced Iron (C4) — Iron Deposits (B3) — Presence of Reduced Iron (C4) — Iron Deposits (B5) — Thin Muck Surface (C7) — FAC-Neutral Test (D5) — Inundation Visible on Aerial Imagery (B7) — Sparsely Vegetated Concave Surface (B8) — Other (Explain in Remarks) — Water Table Present? — Yes — No — Depth (inches): — Wetland Hydrology Present? — Yes — No — Depth (inches): — Very Shallow Cartal (B4) — Present? — Yes — No — Depth (inches): — Very Shallow Cartal (B4) — Present? — Yes — No — Depth (inches): — Very Shallow Cartal (B4) — Present? — Yes — No — Depth (inches): — Very Shallow Cartal (B4) — Present? — Yes — No — Depth (inches): — Very Shallow Cartal (B4) — Present? — Yes — No — Depth (inches): — Very Shallow Cartal (B4) — Present? — Yes — No — Depth (inches): — Very Shallow Cartal (B4) — Present? — Yes — N		-		-						
Vertland Hydrology Indicators: rimary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)	ydric Soil Histoso Histic E Black H Hydrogo Stratifie 2 cm M Deplete Thick D Sandy N 5 cm M Cestrictive Type: Depth (in	Indicators  I (A1) pipedon (A2 istic (A3) en Sulfide (A2 d Layers (A3) d Below Da ark Surface Mucky Mine ucky Peat o Layer (if ol	: A4) 5) ark Surface : (A12) :ral (S1) or Peat (S3	e (A11)	Sandy C Sandy F Stripped Loamy I Deplete Redox I Deplete	Gleyed M Redox (S d Matrix ( Mucky M Gleyed M d Matrix Dark Surf d Dark S	atrix (S4) 5) S6) ineral (F1) latrix (F2) (F3) ace (F6) urface (F7)		Indicators for P Coast Prairie Dark Surface Iron-Mangar Very Shallov Other (Explata) Indicators of hy wetland hydr unless disture	roblematic Hydric Soils <sup>3</sup> : e Redox (A16) e (S7) nese Masses (F12) v Dark Surface (TF12) ain in Remarks) drophytic vegetation and rology must be present, rbed or problematic.
High Water Table (A2)	Vetland Hy Primary Indi	drology Incators (min	imum of o	ne is requi						Market Co. Mark Co. C. C.
Saturation (A3)		AND SECTION OF THE PERSON OF T	Alm.							
	_		A2)							
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C2) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) Vegetated Concave Surface (B8) Other (Explain in Remarks) Vegetated Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Vegetated Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: IMV4 water table at 17 in										
Drift Deposits (B3)			(B2)				V	na Posta (		
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: MW4 water table at 17 in										내시네 [2] 얼마나 (아니다 [2] 아니다 하다 게 하다 때 다니
Iron Deposits (B5)										
Inundation Visible on Aerial Imagery (B7)			(54)					, cons (co		
Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)  Field Observations:  Surface Water Present? Yes No Depth (inches):  Vater Table Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  Simulation Present? Yes No Depth (inches):  Security Fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  AW4 water table at 17in			on Aerial I	magery (B					T I NO-MEU	1301 (DO)
Sirield Observations:  Surface Water Present? Yes No / Depth (inches):  Vater Table Present? Yes No / Depth (inches):  Saturation Present? Yes No / Depth (inches):  Sincludes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  ### Water table at 17 in										
Vater Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  ### Wetland Hydrology Present? Yes No IN		, , ,			26/20/201	ALCONOMICS TO		17.		
Vater Table Present? Yes No Depth (inches): Baturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No		27577	? Y	es_	No ✓ Depth (inc	ches):				
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No No Saturation Present? Yes No No Saturation Present? Yes No No No Saturation Present? Yes No										
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  1W4 water table at 17in			Y					Wetla	and Hydrology Pre	sent? Yes No
200.00000000000000000000000000000000000	escribe Re	corded Dat	a (stream		onitoring well, aerial	ohotos, p	revious ins	pections),	if available:	
Activative.	13671 2000	alce page	\$50 B.	437			_			
	terriary.									

Project/Site: Tree Farm Property	(	City/Co	unty: City	of New E	Berlin, Waukesha C	o. Sampling	Date: 2024-	07-26
• •					State:			
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Matt	t Stangel :	Section	n, Townsh	ip, Range	: sec 30 T006N R0	)20E		
Landform (hillslope, terrace, etc.):				-				
Slope (%): Lat: 42.954150	1	Long: _	-88.1689	959		Datum: V	VGS84	
Soil Map Unit Name:								
Are climatic / hydrologic conditions on the site typical for this				_				
Are Vegetation, Soil, or Hydrology signature.					mal Circumstance		Yes ✓ N	0
Are Vegetation, Soil, or Hydrology na					ed, explain any ans			
SUMMARY OF FINDINGS – Attach site map s								s, etc.
		Τ.	<u> </u>		<u> </u>	· •		
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No No				mpled Ar				
Wetland Hydrology Present? Yes No		'	within a V	Wetland?	Yes	No _		
Remarks:								
APT analysis indicates climatic condition	ns are i	n the	wette	r than	normal range	e.		
<b>VEGETATION</b> – Use scientific names of plants.								
	Absolute				ominance Test w	orksheet:		
Tree Stratum (Plot size:30) 1				11	umber of Dominan hat Are OBL, FAC	t Species W, or FAC:	1	(A)
2 3					otal Number of Do pecies Across All S		1	(B)
4				I P	ercent of Dominan hat Are OBL, FAC	t Species W, or FAC:	100.00	(A/B)
Cooling/Charle Careture (Diet sing)	0	= Total	l Cover		revalence Index v			
Sapling/Shrub Stratum (Plot size: 15 )					Total % Cover of		Multiply by:	
1				_	BL species			_
3					ACW species			_
4.				_	AC species	<u>70.00</u> x 3	= 210.00	_
5					ACU species <u>1</u>	8.00 x 4	= 72.00	_
	0	= Total	l Cover	U	PL species	0.00 x 5	= 0.00	_
Herb Stratum (Plot size: 5	70	V	E/	AC C	olumn Totals:	95.00 (A)	294.00	(B)
Poa pratensis     Lotus corniculatus				CU CU	Prevalence Inc	dex = B/A =	3.09	
Phalaris arundinacea		N			Hydrophytic Vege			
4. Cirsium arvense	•	N			1 - Rapid Test fo	or Hydrophytic	: Vegetation	
5. Symphyotrichum puniceum				BL 2	2 - Dominance			
6				_	_ 3 - Prevalence I			
7				-	4 - Morphologic		s <sup>1</sup> (Provide sup eparate sheet)	
8					Problematic Hy			
9				-	— Problematic Hy	diopriyuc veg	jetation (Expia	(וווג
10	95.0		I Cover		Indicators of hydric be present, unless			must
1					ydrophytic			
2				V	egetation			
	0	= Total	l Cover	P	resent?	Yes <u>√</u>	No	
Remarks: (Include photo numbers here or on a separate sl		. 5.01						

Profile Desc	cription: (Descr	ibe to the dep	th needed	to docum	ent the	indicator o	or confirm	n the absence	of indicators.)
Depth	Matri	x		Redox	Feature	es			
(inches)	Color (moist	) %	Color (m	noist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-8	10YR 4/2	2 100						SIL	20-25% gravel, appearance of
			-						
			-						-
<sup>1</sup> Type: C=C	oncentration, D=l	Depletion, RM=	=Reduced M	/latrix, MS	=Maske	d Sand Gra	ains.	<sup>2</sup> Lo	cation: PL=Pore Lining, M=Matrix.
Hydric Soil		•							for Problematic Hydric Soils <sup>3</sup> :
Histosol	I (A1)			Sandy G	leyed M	atrix (S4)		Coast	Prairie Redox (A16)
Histic E	pipedon (A2)		_	Sandy R	edox (S	5)			Surface (S7)
Black H	istic (A3)			Stripped					,
Hydroge	en Sulfide (A4)			Loamy N	lucky Mi	neral (F1)			langanese Masses (F12)
	d Layers (A5)		_	Loamy C	Sleyed M	atrix (F2)			Shallow Dark Surface (TF12)
	uck (A10)			Depleted	l Matrix (	(F3)		Other	(Explain in Remarks)
-	d Below Dark Su		_	Redox D		, ,			
<del></del>	ark Surface (A12)		_			urface (F7)			s of hydrophytic vegetation and
	Mucky Mineral (S	,		Redox D	epressio	ns (F8)			d hydrology must be present,
	ucky Peat or Pea							unless	s disturbed or problematic.
	Layer (if observe	ed):							
Туре: <u></u>	ravel								
Depth (in	iches): <u>8</u>							Hydric Soil	I Present? Yes No _✓_
Remarks:									
	efusal at 8in.								
HYDROLO	nev.								
1	drology Indicate								
Primary Indi	cators (minimum	of one is requi	red; check a	all that ap	oly)			Seconda	ary Indicators (minimum of two required)
Surface	Water (A1)		W	/ater-Staii	ned Leav	res (B9)		Sur	face Soil Cracks (B6)
High Wa	ater Table (A2)		A	quatic Fa	una (B13	3)		Dra	inage Patterns (B10)
Saturati	on (A3)		T	rue Aquat	ic Plants	(B14)		Dry	-Season Water Table (C2)
Water N	/larks (B1)		H	ydrogen S	Sulfide O	dor (C1)		Cra	yfish Burrows (C8)
Sedime	nt Deposits (B2)		0	xidized R	hizosphe	eres on Livi	ng Roots	(C3) Sat	uration Visible on Aerial Imagery (C9)
Drift De	posits (B3)		P	resence c	f Reduc	ed Iron (C4	.)	Stu	nted or Stressed Plants (D1)
Algal Ma	at or Crust (B4)		R	ecent Iror	Reduct	ion in Tilled	d Soils (C6	6) <u> </u>	omorphic Position (D2)
Iron De	posits (B5)		TI	hin Muck	Surface	(C7)		FAC	C-Neutral Test (D5)
Inundati	ion Visible on Aer	ial Imagery (B	7) <u> </u>	auge or V	Vell Data	(D9)			
Sparsel	y Vegetated Cond	cave Surface (	B8) O	ther (Exp	lain in Re	emarks)			
Field Obser	rvations:	•		<u> </u>					
Surface Wat		Yes	No ✓ Γ	Depth (inc	hes):				
Water Table		Yes							
									w. Brananta Van Na
Saturation P	resent? pillary fringe)	Yes	INO <u></u> ✓ L	eptn (inc	nes):		_   weti	ana Hyarolog	y Present? Yes No
	ecorded Data (stre	eam gauge, mo	onitoring we	II, aerial p	hotos, p	revious insp	pections),	if available:	
Remarks:									
No hydro	ology indica	tors prese	ent.						
		-							

Project/Site: Tree Farm Property		City/Co	ounty:	Waukes	ha County Sampling Date: 2024-07-26
• •					State: Wisconsin Sampling Point: P22
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mik					
Landform (hillslope, terrace, etc.): Other					
Slope (%): <u>0-2</u> Lat: <u>42.955378</u>					
Soil Map Unit Name: Houghton muck, 0 to 2 perce					_
Are climatic / hydrologic conditions on the site typical for the					
Are Vegetation, Soil, or Hydrology	significantly	disturb	ed?	Are "N	Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology	naturally pro	blema	tic?	(If nee	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	sam	plin	g point lo	cations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No ✓				
Hydric Soil Present? Yes				e Sampled	
Wetland Hydrology Present? Yes			with	in a wetian	d? Yes No <u>√</u>
Remarks:		· · ·			
APT analysis indicates climatic conditi	ons are i	n the	e we	etter tha	n normal range.
<b>VEGETATION</b> – Use scientific names of plants	3.				
	Absolute	Dom	inant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 )					Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
2					Total Number of Dominant Species Across All Strata: 2 (B)
4					Species Across All Strata (B)
5					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (A/B)
	0	= Tota	al Cov	rer	
Sapling/Shrub Stratum (Plot size: 15 )					Prevalence Index worksheet:
1					Total % Cover of: Multiply by:
2.				1	OBL species $0.00 \times 1 = 0.00$ FACW species $10.00 \times 2 = 20.00$
3					FAC species $\frac{15.00}{10.00} \times 3 = \frac{45.00}{10.00}$
4.         5.					FACU species 55.00 x 4 = 220.00
J		= Tota			UPL species 15.00 x 5 = 75.00
Herb Stratum (Plot size: 5)		_ 1010			Column Totals: 95.00 (A) 360.00 (B)
1. Lotus corniculatus	40	<u> </u>		<u>FACU</u>	
2. <u>Daucus carota</u>	15	Y		<u>UPL</u>	Prevalence Index = $B/A = \underline{3.79}$
3. <u>Poa pratensis</u>				<u>FAC</u>	Hydrophytic Vegetation Indicators:
4. Elymus repens				<u>FACU</u>	1 - Rapid Test for Hydrophytic Vegetation
5. <u>Solidago canadensis</u>		N		<u>FACU</u>	2 - Dominance Test is >50%
6. Hordeum jubatum		N		<u>FAC</u>	3 - Prevalence Index is ≤3.0¹
7. Phalaris arundinacea				<u>FACW</u>	<ul> <li>4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> </ul>
8. <u>Euthamia graminifolia</u>				FACW	Problematic Hydrophytic Vegetation¹ (Explain)
9. <u>Erigeron annuus</u>		N	1	<u>FACU</u>	Trobomatio Trydrophytio Vogotation (Explain)
10	95.0	= Tota	al Cov	er	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1					Hydrophytic
2					Vegetation
	0	= Tota	al Cov	rer	Present? Yes No
Remarks: (Include photo numbers here or on a separate		- 1018	41 OUV	CI .	
Old field	-				

Depth		Matrix			Redox	Features	3			e of indicators.)
(inches)	Color (	moist)	%	Color (r	noist)	%	Type <sup>1</sup> I	Loc <sup>2</sup>	Texture	Remarks
0-9	_10YR	5/3	100						SIL	10% gravel, appearance of fill
	-									
										<del></del>
1	· · · · · · · · · · · · · · · · · · ·			D. J	4-1-2-2-2-2	NA - 1 - :	0		2.	
	Concentration Indicators:		ietion, RM=I	reduced N	viatrix, MS=	iviasked	Sand Grains	S		cation: PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :
Histoso		-			Sandy Gle	eved Ma	trix (S4)			Prairie Redox (A16)
	pipedon (A2	2)			Sandy Re					
	listic (A3)	•			Stripped N	` '				Surface (S7)
	en Sulfide (/				Loamy Mu	ıcky Min	eral (F1)			Manganese Masses (F12)
	ed Layers (A	.5)		-	Loamy Gl					Shallow Dark Surface (TF12)
	luck (A10) ed Below Da	ırk Surface	Δ11\ (Δ11)		Depleted Redox Da	•	,		Otner	(Explain in Remarks)
	ark Surface		(7.1.1)		Depleted		. ,		3Indicators	s of hydrophytic vegetation and
	Mucky Mine	, ,			Redox De					d hydrology must be present,
	ucky Peat o	•	,						unless	s disturbed or problematic.
	Layer (if ob	oserved):								
Type: <u>g</u>	_									
Depth (ii	nches): <u>9</u>			<u> </u>					Hydric Soil	I Present? Yes No
HYDROLO	OGY									
Wetland H	drology Ind	dicators:								
Primary Ind	icators (mini	imum of o	ne is require	ed; check a	all that appl	y)			Seconda	ary Indicators (minimum of two required)
	e Water (A1)				Vater-Staine		. ,			face Soil Cracks (B6)
	ater Table (	A2)			quatic Fau					inage Patterns (B10)
Saturat					rue Aquatio					-Season Water Table (C2)
	Marks (B1)	(B2)			lydrogen Si		lor (C1) es on Living	Pooto (C		yfish Burrows (C8)
	ent Deposits eposits (B3)	(DZ)			resence of		_	NOUIS (C		uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1)
	lat or Crust (	(B4)					on in Tilled S	oils (C6)		omorphic Position (D2)
	posits (B5)	, ,			hin Muck S			- (30)		C-Neutral Test (D5)
	tion Visible o	on Aerial I	magery (B7)		Sauge or W					, ,
Sparse	ly Vegetated	d Concave	Surface (B	8) C	Other (Expla	in in Rei	marks)			
Field Obse	rvations:									
Surface Wa	ter Present?									
Water Table			es N							
Saturation I	Present? apillary fringe		es N	o <u>√</u> l	Depth (inch	es):		Wetlar	nd Hydrolog	y Present? Yes No _
Describe R	ecorded Dat	a (stream	gauge, mor	nitoring we	ell, aerial ph	otos, pre	evious inspec	ctions), if	available:	
Remarks:	olomi is	diaata:	0 0 0 0 0 0 0 0 0	<b></b>						
No hydr	ology ind	uicator	s presei	ıτ.						

Project/Site: Tree Farm Property		City/Co	ounty:	Waukes	ha County Sampling Date: 2024-07-26
• •					State: Wisconsin Sampling Point: P23
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Ma	tt Stangel	Section	n, Tow	nship, Ran	ge: sec 30 T006N R020E
Landform (hillslope, terrace, etc.): Other					
Slope (%): <u>0-2</u> Lat: <u>42.955243</u>					
Soil Map Unit Name: Houghton muck, 0 to 2 percer		_			
Are climatic / hydrologic conditions on the site typical for this	-				_
Are Vegetation, Soil, or Hydrologys					
Are Vegetation, Soil, or Hydrology n					eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map					
		Juin	Piiiig	, point io	roadions, transcots, important roadares, etc.
Hydrophytic Vegetation Present? Yes✓ N. Hydric Soil Present? Yes N.			Is the	Sampled	Area
Hydric Soil Present? Yes N Wetland Hydrology Present? Yes N			withir	n a Wetlan	d? Yes No✓
Remarks:					
APT analysis indicates climatic condition	ns are i	n the	e we	tter tha	n normal range.
<b>VEGETATION</b> – Use scientific names of plants.					
	Absolute	Domi	inant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:30) 1	% Cover	Spec	ies?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2					Total Number of Dominant Species Across All Strata: 3 (B)
4					Percent of Dominant Species That Are OBL, FACW, or FAC: 66.67 (A/B)
Capling/Chruib Ctratum /Distaire: 15	0	= Tota	I Cove	er	Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size:)  1)					Total % Cover of: Multiply by:
2.					OBL species 0.00 x 1 = 0.00
3.					FACW species 20.00 x 2 = 40.00
4					FAC species $45.00 \times 3 = 135.00$
5					FACU species <u>35.00</u> x 4 = <u>140.00</u>
5	0	= Tota	l Cove	er	UPL species <u>0.00</u> x 5 = <u>0.00</u>
Herb Stratum (Plot size: 5	30	Υ	,	FAC	Column Totals: <u>100.00</u> (A) <u>315.00</u> (B)
Poa pratensis     Phragmites australis				FACW	Prevalence Index = $B/A = 3.15$
3. Lotus corniculatus		Y		FACU	Hydrophytic Vegetation Indicators:
4. Solidago canadensis	45	N		FACU	1 - Rapid Test for Hydrophytic Vegetation
5. Symphyotrichum lanceolatum		N		FAC	✓ 2 - Dominance Test is >50%
6. Plantago major	5	N	<u> </u>	FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>
7					<ul> <li>4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> </ul>
8					
9					— Problematic Hydrophytic Vegetation¹ (Explain)
10	100.0		I Cove	er	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1					Hydrophytic
2		-			Vegetation
	0	= Tota	l Cove	er	Present? Yes <u>√</u> No
Remarks: (Include photo numbers here or on a separate s					
Old field					

Profile Des	cription: (D	escribe '	to the dep	th needed	to docu	ment the	indicator	or confi	rm the absenc	e of indicators.)			
Depth		Matrix			Redo	x Feature			_				
(inches)	Color (	moist)	%	Color (	moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	Remarks			
0-3	<u>10YR</u>	4/2	100			_			SIL	15% gravel			
3-24	_10YR	5/3	95	10YR	5/4	5	C	M	SICL	10% gravel, appearance of fill.			
	· -					_			_				
	-					-			_				
-	· -					<del>-</del>		-	_				
									_				
1Type: C=C	Concentration	n D-Den	letion RM-	-Reduced	Matrix M	S=Masker	d Sand Gr	ains	2	ccation: PL=Pore Lining, M=Matrix.			
Hydric Soil			iction, rtivi-	-i (Caaoca	iviatrix, ivi	O WIGORCE	a Garia Gre	AII 10.		rs for Problematic Hydric Soils <sup>3</sup> :			
Histoso	l (A1)				Sandy	Gleyed Ma	atrix (S4)		Coas	st Prairie Redox (A16)			
_	pipedon (A2	2)				Redox (S5			<del></del>	Surface (S7)			
	listic (A3)				_ Strippe	d Matrix (	S6)			,			
	en Sulfide (A					Mucky Mi				Manganese Masses (F12)			
	ed Layers (A	5)				Gleyed M				Shallow Dark Surface (TF12) r (Explain in Remarks)			
2 cm M	ed Below Da	rk Surface	Δ(Δ11)	_		ed Matrix ( Dark Surfa	,		Othe	i (Explain in Kemarks)			
	ark Surface		5 (A11)				urface (F7)		<sup>3</sup> Indicato	rs of hydrophytic vegetation and			
	Mucky Miner	. ,				Depressio	, ,			nd hydrology must be present,			
	ucky Peat or		3)		_	•	,			ss disturbed or problematic.			
Restrictive	Layer (if ob	served):											
Type:													
Depth (in	nches):								Hydric So	il Present? Yes No			
Remarks:													
HYDROLO													
Wetland Hy									_				
	icators (mini		ne is requi		•					dary Indicators (minimum of two required)			
_	Water (A1)					ined Leav	, ,		<del></del>	urface Soil Cracks (B6)			
	ater Table (A	42)				auna (B13			Drainage Patterns (B10)				
Saturat	` ,			· ·		atic Plants	` '		· · · · · · · · · · · · · · · · · · ·	ry-Season Water Table (C2)			
<u> </u>	Marks (B1)	(DO)		· ·		Sulfide O	, ,	: D1	· · · · · · · · · · · · · · · · · · ·	rayfish Burrows (C8)			
	ent Deposits	(B2)					eres on Liv	-	. ,	aturation Visible on Aerial Imagery (C9)			
	posits (B3) at or Crust (	B4)					ed Iron (C4 ion in Tille			unted or Stressed Plants (D1) eomorphic Position (D2)			
	posits (B5)	D4)				Surface		u 30115 (t		AC-Neutral Test (D5)			
	ion Visible o	n Aprial I	magery (R			Well Data	. ,			NO-Neutral Test (D3)			
l —	ly Vegetated		0 , (	<i>'</i>	•	plain in Re	' '						
Field Obse	, ,	Concave	Surface (I		Julei (EX	piaiii iii ixe	erriarks)						
Surface Wa		· ·	20	No <u></u> ✓	Denth (in	rchas).							
Water Table				No <u>√</u>		,							
Saturation F									stland Hydrolo	gy Present? Yes No			
(includes ca	pillary fringe	e)		No <u></u> ✓_						gy Present? Tes No			
Describe Re	ecorded Data	a (stream	gauge, mo	onitoring we	ell, aerial	photos, pi	revious ins	pections	s), if available:				
Remarks:		diooto-	0 0 000										
No hydro	biogy inc	ııcator	s prese	iil.									
1													

Project/Site: Tree Farm Property		City/Co	ounty:	Waukes	sha County	Samplinç	Date: <u>2024</u> -	07-26
Applicant/Owner: Workman Enterprises					State: Wisconsin	Sampling F	oint: P24	
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, M	latt Stangel	Section	n, Tov	vnship, Rai	nge: sec 30 T006N	√R020E		
Landform (hillslope, terrace, etc.): Other					=			
Slope (%): <u>0-2</u> Lat: <u>42.954692</u>							VGS84	
Soil Map Unit Name: Houghton muck, 0 to 2 perce								
Are climatic / hydrologic conditions on the site typical for the	•				_		110	
Are Vegetation, Soil, or Hydrology							Voc / N	lo
Are Vegetation, Soil, or Hydrology								
SUMMARY OF FINDINGS – Attach site map	snowing	sam	piing	g point i	ocations, transec	ts, import	ant reature	es, etc.
Hydrophytic Vegetation Present? Yes	No <u></u> ✓		Is the	Sampled	Area			
Hydric Soil Present? Yes				•		No	✓	
Wetland Hydrology Present? Yes	No <u>√</u>							
Remarks:								
APT analysis indicates climatic conditi	ions are i	n the	e we	etter tha	an normal range	€.		
VEGETATION – Use scientific names of plant	S.							
	Absolute	Domi	inant	Indicator	Dominance Test we	orksheet:		
Tree Stratum (Plot size: 30 )					Number of Dominan			
1					That Are OBL, FAC	N, or FAC:	0	(A)
2					Total Number of Dor	minant		
3					Species Across All S	Strata:	11	(B)
4					Percent of Dominant	Species	0.00	
5		- Tota	L Cov		That Are OBL, FAC	N, or FAC:	0.00	(A/B)
Sapling/Shrub Stratum (Plot size: 15 )		= 101a	ii Cove	<del>C</del> I	Prevalence Index w	orksheet:		
1					Total % Cover of	<u>of:</u>	Multiply by:	_
2					OBL species (	<u>).00</u> x 1	= 0.00	_
3					FACW species(	<u>).00</u> x 2	2 = 0.00	_
4					FAC species 1	<u>5.00</u> x 3	s = <u>45.00</u>	_
5					FACU species1(		<u> </u>	_
Herb Stratum (Plot size: 5 )	0	= Tota	I Cove	er	UPL species (			_
Herb Stratum (Plot size: 5 )  1. Solidago canadensis	95	Υ	,	FACU	Column Totals: 1	<u>15.00</u> (A)	445.00	(B)
2. Poa pratensis				FAC	Prevalence Inc	dex = B/A =	3.87	
3. <u>Cirsium arvense</u>				FACU	Hydrophytic Veget			
Symphyotrichum lanceolatum				FAC	1 - Rapid Test fo	or Hydrophyti	c Vegetation	
5.					2 - Dominance	Γest is >50%		
6.					3 - Prevalence II	ndex is ≤3.0 <sup>1</sup>		
7					4 - Morphologic			
8							eparate sheet	
9					— Problematic Hy	drophytic Vec	getation' (Expl	ain)
10					1			
Woody Vine Stratum (Plot size:)	115.0	= Tota	l Cove	er	<sup>1</sup> Indicators of hydric be present, unless of			must
1					Hydrophytic			
2					Vegetation Present?	Yes	No.	
		= Tota	l Cove	er	i-icociil!	. 62	NO ¥	
Remarks: (Include photo numbers here or on a separate	e sheet.)				•			

Profile Des	cription: (Describe	to the depth	n needed to docu	ment the	indicator	or confir	m the absence of in	ndicators.)
Depth	Matrix			ox Feature		2	_	
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>		Remarks
0-10	2.5Y 2.5/1	100_					MUCK_	
10-16	2.5Y 2.5/1	90					MMI	
	10YR 3/2	10					MMI	
16-24	10YR 3/2	100					<u>PEAT</u>	
<sup>1</sup> Type: C=C	concentration, D=Dep	etion, RM=F	Reduced Matrix, M	 IS=Masked	d Sand Gra	ains.	<sup>2</sup> Location	n: PL=Pore Lining, M=Matrix.
Hydric Soil			,					Problematic Hydric Soils <sup>3</sup> :
Histoso	I (A1)		Sandy	Gleyed Ma	atrix (S4)		Coast Prair	rie Redox (A16)
	pipedon (A2)			Redox (S5			— Dark Surfa	ce (S7)
_	listic (A3)			ed Matrix (S Mucky Mir				anese Masses (F12)
	en Sulfide (A4) d Layers (A5)			Gleyed Ma	. ,			ow Dark Surface (TF12)
	uck (A10)			ed Matrix (			Other (Exp	lain in Remarks)
-	d Below Dark Surface	e (A11)		Dark Surfa	. ,		2	
	ark Surface (A12)			ed Dark Su				ydrophytic vegetation and
	Mucky Mineral (S1) ucky Peat or Peat (S3	8)	Redox	Depressio	ns (F8)			drology must be present, urbed or problematic.
	Layer (if observed):						diffeed dist	and of problematic.
Type:								
Depth (in	iches):						Hydric Soil Pres	sent? Yes No _
Remarks:								
HYDROLC								
	drology Indicators:							
	cators (minimum of o	ne is require			(5.0)			ndicators (minimum of two required)
	Water (A1)			ained Leav	` ,			Soil Cracks (B6)
Saturati	ater Table (A2)		Aquatic F	auna (চ i s atic Plants				e Patterns (B10) son Water Table (C2)
	Marks (B1)			Sulfide O	` '			Burrows (C8)
	nt Deposits (B2)		· · · · · ·	Rhizosphe		ing Roots		on Visible on Aerial Imagery (C9)
	posits (B3)			of Reduce				or Stressed Plants (D1)
Algal M	at or Crust (B4)		Recent Ire	on Reducti	on in Tille	d Soils (C	C6) Geomor	phic Position (D2)
Iron De	posits (B5)		Thin Muc	k Surface (	(C7)		FAC-Ne	utral Test (D5)
Inundat	ion Visible on Aerial I	magery (B7)	_		` '			
	y Vegetated Concave	Surface (B	B) Other (Ex	plain in Re	emarks)			
Field Obser								
Surface Wa			o <u>√</u> Depth (ir					
Water Table			o Depth (ir					
Saturation F (includes ca	'resent'? Your Your You	es N	o Depth (ir	nches):		_   Wet	tland Hydrology Pro	esent? Yes No
	ecorded Data (stream	gauge, mon	itoring well, aerial	photos, pr	evious ins	pections)	), if available:	
Remarks:		0 0 0 0 0 0 0 0 0	t Call and	o d.m.:				
INO NYaro	ology indicator	s preser	ıı. Son profil	e ary.				

Project/Site: Tree Farm Property	(	City/Cour	nty: Waukes	sha County Sampling Date: 2024-07-26
• •				State: Wisconsin Sampling Point: P25
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Matt				
Landform (hillslope, terrace, etc.): Ditch				
Slope (%): 3-7 Lat: 42.954758				
Soil Map Unit Name: Houghton muck, 0 to 2 percent				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrology sign				
Are Vegetation, Soil, or Hydrology na	iturally pro	blematic?	? (If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	howing	sampli	ing point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes ✓ No			4 0	•
Hydric Soil Present? Yes No			the Sampled	area ad? Yes <u>√</u> No
Wetland Hydrology Present? Yes ✓ No		W	illilli a Wellali	id! Tes NO
Remarks:				
APT analysis indicates climatic condition	ns are i	n the v	wetter tha	in normal range.
<b>VEGETATION</b> – Use scientific names of plants.				
[	Absolute	Domina	nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:30) 1				Number of Dominant Species That Are OBL, FACW, or FAC:5 (A)
2				Total Number of Dominant Species Across All Strata: 5 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
Sapling/Shrub Stratum (Plot size: 15 )	0	= Total C	Cover	Prevalence Index worksheet:
1. Salix bebbiana	30	Υ	FACW	Total % Cover of: Multiply by:
2				OBL species 20.00 x 1 = 20.00
3.				FACW species <u>55.00</u> x 2 = <u>110.00</u>
4				FAC species 10.00 x 3 = 30.00
5				FACU species <u>5.00</u> x 4 = <u>20.00</u>
		= Total C		UPL species <u>0.00</u> x 5 = <u>0.00</u>
Herb Stratum (Plot size: 5 )	45		ODI	Column Totals: 90.00 (A) 180.00 (B)
1. <u>Typha angustifolia</u>	15	Y	OBL	Prevalence Index = B/A = 2.0
Impatiens capensis     Phalaris arundinacea	<u>10</u>	Y	FACW FACW	Hydrophytic Vegetation Indicators:
Solanum dulcamara		Y	FACV	1 - Rapid Test for Hydrophytic Vegetation
5. <u>Solidago gigantea</u>	_	N	FACW	✓ 2 - Dominance Test is >50%
6. <u>Cirsium arvense</u>		N	FACU	✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
7. Symphyotrichum puniceum		N	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10				
Woody Vine Stratum (Plot size:)	60.0			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1				Hydrophytic
2				Vegetation Present? Yes _ ✓ No
		= Total C	Cover	100 <u>¥</u> 110
Remarks: (Include photo numbers here or on a separate sl	neet.)			
SM				

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<u>quired)</u>
'C9)
(C9)

Project/Site: Tree Farm Property	City/County: Waukes	sha County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises		State: Wisconsin Sampling Point: P26
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Matt Stang	gel Section, Township, Ra	nge: sec 29 T006N R020E
Landform (hillslope, terrace, etc.): Other	Local relief	(concave, convex, none): None
Slope (%): 0-2 Lat: 42.954510	Long: -88.167154	Datum: WGS84
Soil Map Unit Name: Houghton muck, 0 to 2 percent slop	es	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time o		
Are Vegetation, Soil, or Hydrology significal		
Are Vegetation, Soil, or Hydrology naturally		eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ing sampling point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No✓	In the Commission	A
Hydric Soil Present? Yes No✓	Is the Sampled     within a Wetlar	
Wetland Hydrology Present? Yes No✓		
Remarks:		
APT analysis indicates climatic conditions ar	re in the wetter tha	an normal range.
VEGETATION – Use scientific names of plants.		
Absol		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30</u> ) <u>% Co</u>	ver Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
2		Total Number of Dominant
3		Species Across All Strata:1 (B)
4		Percent of Dominant Species
5	= Total Cover	That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size:15)		Prevalence Index worksheet:
1.		Total % Cover of: Multiply by:
2		OBL species 0.00 x 1 = 0.00
3		FACW species 0.00 x 2 = 0.00
4		FAC species 0.00 x 3 = 0.00 FACU species 100.00 x 4 = 400.00
5	= Total Cover	UPL species 0.00 x 5 = 0.00
Herb Stratum (Plot size: 5 )	= Total Cover	Column Totals: 100.00 (A) 400.00 (B)
1. Elymus repens 85	Y FACU	And the second s
2. <u>Cirsium arvense</u> 15	N FACU	Prevalence Index = B/A = 4.0
3		Hydrophytic Vegetation Indicators:
4		1 - Rapid Test for Hydrophytic Vegetation
5		2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹
6		4 - Morphological Adaptations¹ (Provide supporting
7		data in Remarks or on a separate sheet)
9		— Problematic Hydrophytic Vegetation¹ (Explain)
10.		
	).0 = Total Cover	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1		Hydrophytic
2		Vegetation
0	= Total Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separate sheet.)	- 3-200 A A B A B	

SOIL	ng Point: P26	
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Depth (inches)	Color (	moist)	%	Color (	moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12	N	2.5/0	100						MUCK	
12-24	10YR	3/2	100						PEAT	
	oncentratio		etion, RM	=Reduced	Matrix, Ms	S=Masked	d Sand Gr	ains.		tion: PL=Pore Lining, M=Matrix.
	Indicators				4 1 1		1			or Problematic Hydric Soils <sup>3</sup> :
✓ Histosol		2)		_		A TOTAL OF STREET	atrix (S4)		Coast Pr	airie Redox (A16)
	pipedon (A2 istic (A3)	2)		<del>-</del>	- Sandy F	Redox (S5 d Matrix (\$			— Dark Sur	face (S7)
	en Sulfide (	A4)		-			neral (F1)		Iron-Mar	ganese Masses (F12)
	d Layers (A			_	2 - 2 - 2 - 2 - 2 - 2 - 2		atrix (F2)		Very Sha	allow Dark Surface (TF12)
	uck (A10)					d Matrix (			Other (E	xplain in Remarks)
_ Deplete	d Below Da	rk Surface	(A11)	_	Redox	Dark Surfa	ace (F6)			
_	ark Surface			_			urface (F7)	1		f hydrophytic vegetation and
	Mucky Mine			-	Redox [	Depressio	ns (F8)			nydrology must be present,
	ucky Peat o		)						unless d	sturbed or problematic.
Type:				_						resent? Yes 🗸 No
Depth (in	Office).								injune com i	10501111 105 110
emarks:										
YDROLO		dicators:								
YDROLO	drology In		ne is requi	red; check	all that ap	(ylqc			Secondary	Indicators (minimum of two required
YDROLO Vetland Hy rimary Indi	drology In	imum of or	ne is requi		all that ap	The state of the s	/es (B9)			r Indicators (minimum of two required se Soil Cracks (B6)
YDROLO Vetland Hy rimary Indi Surface	drology Incators (min	imum of or	ne is requi	_ '		ined Leav			Surfac	
YDROLO Vetland Hy Irimary Indi Surface High Wa	drology Incators (min	imum of or	ne is requi	= }	Vater-Sta	ined Leav auna (B13	3)		Surfac	ce Soil Cracks (B6) age Patterns (B10)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati	cators (min Water (A1) ater Table (	imum of or	ne is requi	_ '	Vater-Sta Aquatic Fa	ined Leav auna (B13 atic Plants	3) s (B14)		Surfac Draina Dry-S	e Soil Cracks (B6)
YDROLO Vetland Hy rimary Indi Surface High Wa Saturati Water M	drology Incators (min Water (A1) ater Table ( on (A3)	imum of or ) A2)	ne is requi		Vater-Sta Aquatic Fa Frue Aqua Hydrogen	ined Leav auna (B13 atic Plants Sulfide O	3) 5 (B14) 5 dor (C1)	ing Roots (	Surface Draina Dry-See Crayfi	ce Soil Cracks (B6) age Patterns (B10) cason Water Table (C2)
YDROLO Vetland Hy rimary Indi _ Surface _ High Wa _ Saturati _ Water M _ Sedime	cators (min Water (A1) ater Table ( on (A3) Marks (B1)	imum of or ) A2)	ne is requi	_ \	Vater-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	ined Leav auna (B13 atic Plants Sulfide O Rhizosphe	3) 5 (B14) 5 dor (C1)		Surface Draina Dry-Si Crayfi C3) Satura	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8)
YDROLO Vetland Hy Irimary Indi _ Surface _ High Wa _ Saturati _ Water M _ Sedime _ Drift De	drology Incators (min Water (A1) ater Table (on (A3) Marks (B1) nt Deposits	imum of or ) (A2) (B2)	ne is requi		Vater-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence	ined Leav auna (B13 atic Plants Sulfide O Rhizosphe of Reduce	B) (B14) (dor (C1) eres on Liv ed Iron (C4		Surface Draina Dry-Sacces Crayfi C3) Satura	ce Soil Cracks (B6) age Patterns (B10) ceason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma	drology Incators (min Water (A1) ater Table (on (A3) Marks (B1) nt Deposits (B3)	imum of or ) (A2) (B2)	ne is requi		Vater-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence	ined Leav auna (B13 atic Plants Sulfide O Rhizosphe of Reduce in Reducti	B)  (B14)  dor (C1)  eres on Liv  ed Iron (C4)  ion in Tille	1)	Surface Draina Dry-See Crayfice C3) Satura Stunte Geom	te Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) and or Stressed Plants (D1)
YDROLO Vetland Hy rimary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma	drology Incators (min Water (A1) ater Table (on (A3) Marks (B1) nt Deposits (B3) at or Crust (posits (B5) ion Visible (	imum of or ) (A2) (B2) (B4) on Aerial Ir	magery (B		Water-Stan Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or V	ined Leave auna (B13 stic Plants Sulfide O Rhizosphe of Reduce in Reducti Surface	B) dor (C1) eres on Liv ed Iron (C4) ion in Tille (C7) i (D9)	1)	Surface Draina Dry-See Crayfice C3) Satura Stunte Geom	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) ed or Stressed Plants (D1) orphic Position (D2)
YDROLO Vetland Hy Yrimary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Inundati Sparsel	drology Incators (min Water (A1) ater Table (on (A3) Marks (B1) nt Deposits (B3) at or Crust (boosits (B5) ion Visible of Yegetated	imum of or ) (A2) (B2) (B4) on Aerial Ir	magery (B		Vater-Sta Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	ined Leave auna (B13 stic Plants Sulfide O Rhizosphe of Reduce in Reducti Surface	B) dor (C1) eres on Liv ed Iron (C4) ion in Tille (C7) i (D9)	1)	Surface Draina Dry-See Crayfice C3) Satura Stunte Geom	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) ed or Stressed Plants (D1) orphic Position (D2)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Inundati Sparsel	drology Incators (min Water (A1) ater Table (on (A3) Marks (B1) int Deposits (B3) at or Crust (posits (B5) ion Visible of the vations:	(B2) (B4) on Aerial Ir	magery (B Surface (		Water-Sta Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or V	ined Leavauna (B13 atic Plants Sulfide O Rhizosphe of Reduce in Reducti Surface Well Data blain in Re	(B14) dor (C1) eres on Liv ed Iron (C4) ion in Tille (C7) i (D9) emarks)	l) d Soils (C6	Surface Draina Dry-See Crayfice C3) Satura Stunte Geom	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) ed or Stressed Plants (D1) orphic Position (D2)
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YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Inundati Sparsel Gurface Wat	drology Incators (min Water (A1) ater Table (on (A3) Marks (B1) nt Deposits (B3) at or Crust (posits (B5) ion Visible of y Vegetated vations: ter Present?	(B2) (B4) on Aerial Ir	magery (B Surface ( eses	7)	Vater-Sta Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or V Other (Exp Depth (inc	ined Leavenuna (B13 atic Plants Sulfide O Rhizospher of Reduction	B) is (B14) is (B14) idor (C1) eres on Liv ed Iron (C4) idon in Tille (C7) is (D9) emarks)	d Soils (C6	Surface Surface Draina Dry-Si Crayfi C3) Satura Stunta Geom FAC-N	ce Soil Cracks (B6) age Patterns (B10) ceason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) cd or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Inundati Sparsel Gield Obser Surface Wat Vater Table Saturation P	drology Incators (min Water (A1) ater Table (on (A3) Marks (B1) nt Deposits (B3) at or Crust (posits (B5) ion Visible (by Vegetated vations: ter Present?	(B2) (B4) on Aerial Ir	magery (B Surface ( eses		Vater-Sta Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or V Other (Exp Depth (inc	ined Leavenuna (B13 atic Plants Sulfide O Rhizospher of Reduction	B) is (B14) is (B14) idor (C1) eres on Liv ed Iron (C4) idon in Tille (C7) is (D9) emarks)	d Soils (C6	Surface Surface Draina Dry-Si Crayfi C3) Satura Stunta Geom FAC-N	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) ed or Stressed Plants (D1) orphic Position (D2)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Algal Ma Iron De Inundati Sparsel Veter Table Saturation Pencludes ca	drology Incators (min Water (A1) ater Table (on (A3) Marks (B1) nt Deposits (B3) at or Crust (posits (B5) ion Visible of y Vegetated reations: ther Present? Present?	(B2) (B4) on Aerial Ir d Concave  Ye Ye a (stream	magery (B Surface ( es es gauge, mo	7)	Vater-Stan Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or V Other (Exp Depth (inc Depth (inc	ined Leavanna (B13 atic Plants Sulfide O Rhizosphe of Reduce on Reduct Surface Well Data blain in Re ches): ches): ches): ches):	B) is (B14) is (B14) is (B14) is (B14) is (B14) is on Liv is lice (C1) is (C7) is (D9) is (D9) is (D9)	d Soils (C6	Surface Surface Surface Dry-See Crayfice Stunte Geom FAC-N	ce Soil Cracks (B6) age Patterns (B10) ceason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) cd or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5)
High Wales Naturati Water Mage Sedime Drift De Algal Males Iron De	drology Incators (min Water (A1) ater Table (on (A3) Marks (B1) nt Deposits (B3) at or Crust (posits (B5) ion Visible of y Vegetated reations: ther Present? Present?	(B2) (B4) on Aerial Ir d Concave  Ye Ye a (stream	magery (B Surface ( es es gauge, mo	7)	Vater-Stan Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or V Other (Exp Depth (inc Depth (inc	ined Leavanna (B13 atic Plants Sulfide O Rhizosphe of Reduce on Reduct Surface Well Data blain in Re ches): ches): ches): ches):	B) is (B14) is (B14) is (B14) is (B14) is (B14) is on Liv is lice (C1) is (C7) is (D9) is (D9) is (D9)	d Soils (C6	Surface Surface Surface Dry-See Crayfice Stunte Geom FAC-N	age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) ed or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De _ Inundati Sparsel Gurface Water Table Saturation Princludes can Describe Re	drology Incators (min Water (A1) ater Table (on (A3) Marks (B1) nt Deposits (B3) at or Crust (posits (B5) ion Visible of y Vegetated reations: ther Present? Present?	(B2) (B4) on Aerial Ir d Concave  Ye Ye a (stream	magery (B Surface ( es es gauge, mo	7)	Vater-Stan Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or V Other (Exp Depth (inc Depth (inc	ined Leavanna (B13 atic Plants Sulfide O Rhizosphe of Reduce on Reduct Surface Well Data blain in Re ches): ches): ches): ches):	B) is (B14) is (B14) is (B14) is (B14) is (B14) is on Liv is lice (C1) is (C7) is (D9) is (D9) is (D9)	d Soils (C6	Surface Surface Surface Dry-See Crayfice Stunte Geom FAC-N	ce Soil Cracks (B6) age Patterns (B10) ceason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) cd or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De _ Inundati Sparsel ield Obser Surface Wat Vater Table Saturation Princludes ca Describe Re IW5 wa	drology Incators (min Water (A1) ater Table (on (A3) Marks (B1) nt Deposits (B3) at or Crust (posits (B5) ion Visible of y Vegetated reations: ther Present? Present?	(B2) (B4) on Aerial Ir d Concave  Ye Ye a (stream	magery (B Surface ( es es gauge, mo	7)	Vater-Stan Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or V Other (Exp Depth (inc Depth (inc	ined Leavanna (B13 atic Plants Sulfide O Rhizosphe of Reduce on Reduct Surface Well Data blain in Re ches): ches): ches): ches):	B) is (B14) is (B14) is (B14) is (B14) is (B14) is on Liv is lice (C1) is (C7) is (D9) is (D9) is (D9)	d Soils (C6	Surface Surface Surface Dry-See Crayfice Stunte Geom FAC-N	ce Soil Cracks (B6) age Patterns (B10) ceason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) cd or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Inundati Sparsel Field Obser Surface Wat Vater Table Saturation Princludes ca Describe Re	drology Incators (min Water (A1) ater Table (on (A3) Marks (B1) nt Deposits (B3) at or Crust (posits (B5) ion Visible of y Vegetated reations: ther Present? Present?	(B2) (B4) on Aerial Ir d Concave  Ye Ye a (stream	magery (B Surface ( es es gauge, mo	7)	Vater-Stan Aquatic Fa Frue Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or V Other (Exp Depth (inc Depth (inc	ined Leavanna (B13 atic Plants Sulfide O Rhizosphe of Reduce on Reduct Surface Well Data blain in Re ches): ches): ches): ches):	B) is (B14) is (B14) is (B14) is (B14) is (B14) is on Liv is lice (C1) is (C7) is (D9) is (D9) is (D9)	d Soils (C6	Surface Surface Surface Dry-See Crayfice Stunte Geom FAC-N	ce Soil Cracks (B6) age Patterns (B10) ceason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) cd or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5)

Project/Site: Tree Farm Property	City/	County: Waukesh	a County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises			State: Wisconsin Sampling Point: P27
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Ma	tt Stangel Sect	ion, Township, Range	e: sec 29 T006N R020E
Landform (hillslope, terrace, etc.): Other		Local relief (co	oncave, convex, none): None
Slope (%): 0-2 Lat: 42.954390	Long	-88.165988	Datum: WGS84
Soil Map Unit Name: Houghton muck, 0 to 2 percer	nt slopes		NWI classification: None
Are climatic / hydrologic conditions on the site typical for this			2 10 10 10 10 10 10 10 10 10 10 10 10 10
Are Vegetation, Soil, or Hydrologys			
Are Vegetation, Soil, or Hydrology r			led, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map			
Hydrophytic Vegetation Present? Yes ✓ N Hydric Soil Present? Yes ✓ N		Is the Sampled A	
Wetland Hydrology Present? Yes ✓ N		within a Wetland	? Yes No
Remarks:			
APT analysis indicates climatic condition	ons are in the	ne wetter than	normal range.
VEGETATION – Use scientific names of plants.			
2 W 2 X 10 20 20 20 20 20 20 20 20 20 20 20 20 20			Dominance Test worksheet:
Tree Stratum (Plot size: 30 )			Number of Dominant Species
1			That Are OBL, FACW, or FAC:1 (A)
2			Total Number of Dominant Species Across All Strata: 1 (B)
4			Species Across All Strata:1 (B)
5			Percent of Dominant Species That Are OBL, FACW, or FAC:100.00 (A/B)
			That Are OBL, FACW, of FAC. 100.00 (A/B)
Sapling/Shrub Stratum (Plot size:15)		,	Prevalence Index worksheet:
1			Total % Cover of: Multiply by:
2			OBL species 0.00 x 1 = 0.00
3			FACW species 100.00 x 2 = 200.00 FAC species 0.00 x 3 = 0.00
4			FACU species 0.00 x 4 = 0.00
5	= To		JPL species 0.00 x 5 = 0.00
Herb Stratum (Plot size:)			Column Totals: 100.00 (A) 200.00 (B)
1. Phalaris arundinacea	100	Y FACW	
2			Prevalence Index = B/A = 2.0
3			Hydrophytic Vegetation Indicators:
4			<ul> <li>✓ 1 - Rapid Test for Hydrophytic Vegetation</li> <li>✓ 2 - Dominance Test is &gt;50%</li> </ul>
5			✓ 3 - Prevalence Index is ≤3.01
6			4 - Morphological Adaptations <sup>1</sup> (Provide supporting
7 8			data in Remarks or on a separate sheet)
9			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10.			
Woody Vine Stratum (Plot size:30)	_100.0 = To	atal Cover	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1			Hydrophytic
2.			Vegetation
	0 = To	otal Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separate		nui oovei	

SOIL	Sampling Point: P27

Depth Matrix	pth needed to document the indicator or Redox Features	
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup>	_oc <sup>2</sup> _ Texture _ Remarks
0-16 N 2.5/0 100		MUCK
16-24 10YR 3/2 100		PEAT
10-24 101K 3/2 100		
	·	
Type: C=Concentration D=Depletion RN	//=Reduced Matrix, MS=Masked Sand Grains	s. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:		Indicators for Problematic Hydric Soils <sup>3</sup> :
✓ Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)
Histic Epipedon (A2)	— Sandy Redox (S5)	— Dark Surface (S7)
Black Histic (A3)	Stripped Matrix (Sô)	
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Iron-Manganese Masses (F12)
_ Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Very Shallow Dark Surface (TF12)
2 cm Muck (A10)	Depleted Matrix (F3)	Other (Explain in Remarks)
<ul><li>Depleted Below Dark Surface (A11)</li><li>Thick Dark Surface (A12)</li></ul>	Redox Dark Surface (F6) Depleted Dark Surface (F7)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	wetland hydrology must be present,
5 cm Mucky Peat or Peat (S3)	redux bepressions (10)	unless disturbed or problematic.
Restrictive Layer (if observed):		
Type:		
Depth (inches):		Hydric Soil Present? Yes No
Remarks:		
STATE CONTRACTOR		
Netland Hydrology Indicators:	sized about all that apply)	Consequent Indicators (minimum of thus poss
Netland Hydrology Indicators: Primary Indicators (minimum of one is requ		Secondary Indicators (minimum of two requests Sail Creaks (PR)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is requ  Surface Water (A1)	Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
Vetland Hydrology Indicators: Primary Indicators (minimum of one is requ Surface Water (A1) High Water Table (A2)	<ul><li>Water-Stained Leaves (B9)</li><li>Aquatic Fauna (B13)</li></ul>	<ul><li>Surface Soil Cracks (B6)</li><li>Drainage Patterns (B10)</li></ul>
Vetland Hydrology Indicators:  Primary Indicators (minimum of one is requestions of the second secon	<ul><li>Water-Stained Leaves (B9)</li><li>Aquatic Fauna (B13)</li><li>True Aquatic Plants (B14)</li></ul>	<ul><li>Surface Soil Cracks (B6)</li><li>Drainage Patterns (B10)</li><li>Dry-Season Water Table (C2)</li></ul>
Vetland Hydrology Indicators:  Primary Indicators (minimum of one is requestion   Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	<ul> <li>Water-Stained Leaves (B9)</li> <li>Aquatic Fauna (B13)</li> <li>True Aquatic Plants (B14)</li> <li>Hydrogen Sulfide Odor (C1)</li> </ul>	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> </ul>
Vetland Hydrology Indicators:  Primary Indicators (minimum of one is requested in Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)	<ul> <li>Water-Stained Leaves (B9)</li> <li>Aquatic Fauna (B13)</li> <li>True Aquatic Plants (B14)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres on Living</li> </ul>	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)  Roots (C3) Saturation Visible on Aerial Imagery (C
Vetland Hydrology Indicators:  Primary Indicators (minimum of one is requestions)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)	<ul> <li>Water-Stained Leaves (B9)</li> <li>Aquatic Fauna (B13)</li> <li>True Aquatic Plants (B14)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres on Living</li> <li>Presence of Reduced Iron (C4)</li> </ul>	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Roots (C3) Saturation Visible on Aerial Imagery (Ca) Stunted or Stressed Plants (D1)
Primary Indicators (minimum of one is requested by Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)	<ul> <li>Water-Stained Leaves (B9)</li> <li>Aquatic Fauna (B13)</li> <li>True Aquatic Plants (B14)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres on Living</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Tilled S</li> </ul>	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Roots (C3) Saturation Visible on Aerial Imagery (Canonic Canonic Ca
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is requestional primary Indicators (minimum of one is requestional primary Indicators (M1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Roots (C3) Saturation Visible on Aerial Imagery (Ca) Stunted or Stressed Plants (D1)
Primary Indicators (minimum of one is requested by Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (N5)  Inundation Visible on Aerial Imagery (N	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) ✓ Gauge or Well Data (D9)	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Roots (C3) Saturation Visible on Aerial Imagery (Canonic Canonic Ca
Vetland Hydrology Indicators:  Primary Indicators (minimum of one is requested in Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (I	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) ✓ Gauge or Well Data (D9)	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Roots (C3) Saturation Visible on Aerial Imagery (Canonic Canonic Ca
Primary Indicators (minimum of one is requested as a surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (Incompared to the content of the	Water-Stained Leaves (B9)     Aquatic Fauna (B13)     True Aquatic Plants (B14)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres on Living     Presence of Reduced Iron (C4)     Recent Iron Reduction in Tilled S     Thin Muck Surface (C7)  B7) ✓ Gauge or Well Data (D9)     Other (Explain in Remarks)	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Roots (C3) Saturation Visible on Aerial Imagery (Canonic Canonic Ca
Primary Indicators (minimum of one is requested in Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (Incompared in Surface Surface Water Present?  Surface Water Present?  Yes	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Gauge or Well Data (D9) (B8) Other (Explain in Remarks)	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Roots (C3) Saturation Visible on Aerial Imagery (Canonic Canonic Ca
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is requested Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations:  Surface Water Present?  Water Table Present?  Yes  Water Table Present?	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)  Gauge or Well Data (D9) (B8) Other (Explain in Remarks)  No ✓ Depth (inches): No ✓ Depth (inches):	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)  Roots (C3) Saturation Visible on Aerial Imagery (Carron Stunted or Stressed Plants (D1) oils (C6) Geomorphic Position (D2) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is requested Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations:  Surface Water Present? Yes  Water Table Present? Yes  Saturation Present? Yes	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Gauge or Well Data (D9) (B8) Other (Explain in Remarks)	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Roots (C3) Saturation Visible on Aerial Imagery (Canonic Canonic Ca
Primary Indicators (minimum of one is requested by the content of	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)  Gauge or Well Data (D9) (B8) Other (Explain in Remarks)  No ✓ Depth (inches): No ✓ Depth (inches):	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)  Roots (C3) Saturation Visible on Aerial Imagery (Carron Stunted or Stressed Plants (D1) oils (C6) Geomorphic Position (D2) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, manual of the content	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)  Gauge or Well Data (D9) (B8) Other (Explain in Remarks)  No ✓ Depth (inches): No ✓ Depth (inches):	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)  Roots (C3) Saturation Visible on Aerial Imagery (Carron Stunted or Stressed Plants (D1) oils (C6) Geomorphic Position (D2) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is requested and provided in the provided and provided in the provided and provide	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)  Gauge or Well Data (D9) (B8) Other (Explain in Remarks)  No ✓ Depth (inches): No ✓ Depth (inches):	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)  Roots (C3) Saturation Visible on Aerial Imagery (Carron Stunted or Stressed Plants (D1) oils (C6) Geomorphic Position (D2) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Primary Indicators (minimum of one is requested Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (Imagery (I	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)  Gauge or Well Data (D9) (B8) Other (Explain in Remarks)  No ✓ Depth (inches): No ✓ Depth (inches):	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)  Roots (C3) Saturation Visible on Aerial Imagery (Carron Stunted or Stressed Plants (D1) oils (C6) Geomorphic Position (D2) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Primary Indicators (minimum of one is requested and Hydrology Indicators:  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations:  Surface Water Present?  Vater Table Present?  Vater Table Present?  Ves	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)  Gauge or Well Data (D9) (B8) Other (Explain in Remarks)  No ✓ Depth (inches): No ✓ Depth (inches):	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)  Roots (C3) Saturation Visible on Aerial Imagery (Carron Stunted or Stressed Plants (D1) oils (C6) Geomorphic Position (D2) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is requested Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (Imagery (Imager	Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)  Gauge or Well Data (D9) (B8) Other (Explain in Remarks)  No ✓ Depth (inches): No ✓ Depth (inches):	Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)  Roots (C3) Saturation Visible on Aerial Imagery (Carron Stunted or Stressed Plants (D1) oils (C6) Geomorphic Position (D2) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No

Project/Site: Tree Farm Property		City/Co	ounty: <u>W</u>	√aukesh	na County	Sampling	Date: 2024-	07-26
Applicant/Owner: Workman Enterprises					State: Wisconsin	Sampling P	oint: <u>P28</u>	
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Matt								
Landform (hillslope, terrace, etc.): Backslope			Loca	al relief (c	concave, convex, none	e): <u>None</u>		
Slope (%): <u>0-2</u> Lat: <u>42.955419</u>		Long: <u>-</u>	-88.166	6273		Datum: <u>V</u>	VGS84	
					NWI class			
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Ye:	es	No	(If no, explain in	Remarks.)	J	
Are Vegetation, Soil, or Hydrology sig					ormal Circumstances		Yes <u>√</u> N	lo
Are Vegetation, Soil, or Hydrology na				(If nee	ded, explain any ansv	wers in Rema	arks.)	
SUMMARY OF FINDINGS – Attach site map s								s, etc.
Lhidenhidis Venetalian Present?								
Hydrophytic Vegetation Present? Yes _ ✓ No Hydric Soil Present? Yes _ ✓ No				ampled A				
Wetland Hydrology Present? Yes No		'	within a	a Wetland	l? Yes	No _	✓	
Remarks:								
APT analysis indicates climatic condition	ns are i	n the	e wette	er thar	n normal range	<b>)</b> .		
<b>VEGETATION</b> – Use scientific names of plants.								
	Absolute		inant Inc		Dominance Test wo	rksheet:		
	% Cover				Number of Dominant		2	
1. <u>Acer negundo</u>					That Are OBL, FACV	V, or FAC:	3	(A)
2				II.	Total Number of Don Species Across All S		3	(B)
4.					•		<u> </u>	. (D)
5					Percent of Dominant That Are OBL, FACV	Species V. or FAC:	100.00	(A/B)
	40.0	= Total	l Cover					. ( , , _ )
Sapling/Shrub Stratum (Plot size: 15 )					Prevalence Index w  Total % Cover of		Multiply by	
1					OBL species C		Multiply by:	_
2					FACW species 4			_
3					FAC species 4			
5					FACU species 5			
			l Cover		UPL species			_
Herb Stratum (Plot size:)					Column Totals: 9	3.00 (A)	239.00	(B)
1. Impatiens capensis		<u>Y</u>		ACW.	Prevalence Ind	lov - Β/Λ -	2 57	
2. <u>Phalaris arundinacea</u>				ACW _	Hydrophytic Veget	_		_
Urtica dioica     Arctium minus		N		ACW ACU	1 - Rapid Test fo			
Arctium minus     Symphyotrichum lanceolatum					✓ 2 - Dominance T			
6					✓ 3 - Prevalence In			
7.				II.	4 - Morphologica	al Adaptations	s <sup>1</sup> (Provide sup	porting
8.					data in Rema	irks or on a s	eparate sheet	)
9					— Problematic Hyd	drophytic Veç	getation <sup>1</sup> (Expl	ain)
10					1			
Woody Vine Stratum (Plot size:)	53.0	= Total	l Cover		<sup>1</sup> Indicators of hydric be present, unless d			must
1					Hydrophytic			
2					Vegetation	Voc. /	No	
		= Total	l Cover		Present?	Yes <u>√</u>	No	
Remarks: (Include photo numbers here or on a separate sl	neet.)			•				

		_				or confire	n the absence of ir	ndicators.)
Depth (inches)	Matrix Color (moist)		Color (moist)	x Feature	S Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
(inches)			Color (moist)	70	туре	LUC	·	Remarks
0-24	2.5Y 2.5/	<u>1 100 </u>					MUCK_	
-				-	· ——			
-	-	<del></del>						
	- · ·							
<sup>1</sup> Type: C=C	Concentration, D=D	Depletion, RM=	Reduced Matrix, M	S=Masked	d Sand Gr	ains.	<sup>2</sup> Location	n: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	Problematic Hydric Soils <sup>3</sup> :
✓ Histoso	ol (A1)		Sandy	Gleyed Ma	atrix (S4)		Coast Prair	rie Redox (A16)
	pipedon (A2)		— Sandy I	Redox (S5	5)		— Dark Surfa	ce (S7)
	listic (A3)			d Matrix (	,			anese Masses (F12)
	en Sulfide (A4)				neral (F1)		_	ow Dark Surface (TF12)
·	ed Layers (A5)			Gleyed M				lain in Remarks)
✓ 2 cm M	ed Below Dark Sur	face (A11)		d Matrix ( Dark Surfa	,		Other (Exp	iaiii iii Reiliaiks)
	oark Surface (A12)				urface (F7)		<sup>3</sup> Indicators of h	ydrophytic vegetation and
	Mucky Mineral (S1			Depressio		'		drology must be present,
	lucky Peat or Peat			- 00.000.0	(. 0)			urbed or problematic.
	Layer (if observe							·
Type:								
Depth (ir	nches):						Hydric Soil Pres	sent? Yes  No
Remarks:			<del></del>				,	
HYDROLC	OGY							
Wetland Hy	drology Indicato	rs:						
Primary Indi	icators (minimum o	of one is requir	ed; check all that ap	ply)			Secondary Ir	ndicators (minimum of two required)
Surface	e Water (A1)		Water-Sta	ined Leav	res (B9)		Surface	Soil Cracks (B6)
High W	ater Table (A2)		Aquatic Fa	auna (B13	3)		Drainage	e Patterns (B10)
Saturat	ion (A3)		True Aqua	itic Plants	(B14)		Dry-Sea	son Water Table (C2)
Water N	Marks (B1)		Hydrogen	Sulfide O	dor (C1)		Crayfish	Burrows (C8)
Sedime	ent Deposits (B2)		Oxidized F	Rhizosphe	res on Liv	ing Roots	(C3) Saturation	on Visible on Aerial Imagery (C9)
Drift De	eposits (B3)		Presence	of Reduce	ed Iron (C	1)	Stunted	or Stressed Plants (D1)
Algal M	lat or Crust (B4)		Recent Iro	n Reducti	ion in Tille	d Soils (C	6) Geomor	phic Position (D2)
Iron De	posits (B5)		Thin Muck	Surface	(C7)		✓ FAC-Ne	utral Test (D5)
Inundat	tion Visible on Aeri	al Imagery (B7	') Gauge or	Well Data	(D9)			
Sparsel	ly Vegetated Cond	ave Surface (E	38) Other (Exp	olain in Re	emarks)			
Field Obse	rvations:							
Surface Wa	ter Present?	Yes N	No Depth (in	ches):		_		
Water Table	e Present?	Yes N	No✓ Depth (in	ches):		_		
Saturation F		Yes 1	No✓ Depth (in	ches):		Wet	land Hydrology Pro	esent? Yes No _
Describe Re	apillary fringe) ecorded Data (stre	am gauge, mo	nitoring well, aerial	photos, pi	revious ins	pections),	, if available:	
Remarks:	.1		0					
No hydro	ology indicat	ors prese	nt. Soil profile	e dry.				

Project/Site: Tree Farm Property		City/Co	unty:	Waukes	ha County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises				17.11.0	State: Wisconsin Sampling Point: P29
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, M	att Stangel	Section	n, Tov	vnship, Rar	nge: sec 29 T006N R020E
Landform (hillslope, terrace, etc.): Other			_ L	ocal relief (	(concave, convex, none): None
Slope (%): <u>0-2</u> Lat: <u>42.955339</u>		Long: -	-88.	166082	Datum: WGS84
					NWI classification: PFO1/EM1Bq
Are climatic / hydrologic conditions on the site typical for th	A PROPERTY AND A SECOND			4.	The second secon
Are Vegetation, Soil, or Hydrology					Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology					eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map					
Hydrophytic Vegetation Present? Yes✓ I					
Hydric Soil Present? Yes I				Sampled	
Wetland Hydrology Present? Yes ✓			withi	n a wetian	d? Yes No
Remarks:				12-20-0	A Programme Commencer
APT analysis indicates climatic conditi	ons are i	n the	e we	etter tha	n normal range.
VEGETATION – Use scientific names of plants	S.				
7 00 00	Absolute			Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 )  1. Acer negundo		-		T . /	Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
2.					That Are OBL, FACW, or FAC:3(A)
3					Total Number of Dominant Species Across All Strata:3 (B)
4.					
5.					Percent of Dominant Species That Are OBL, FACW, or FAC:100.00 (A/B)
Solomore de la companya del companya del companya de la companya d	20.0	= Tota	I Cov	er	
Sapling/Shrub Stratum (Plot size: 15 )					Prevalence Index worksheet:
1		_	_		
3					FACW species 60.00 x 2 = 120.00
4			_		FAC species 20.00 x3 = 60.00
5.					FACU species 0.00 x 4 = 0.00
		= Tota	I Cov	er	UPL species 0.00 x 5 = 0.00
Herb Stratum (Plot size:5					Column Totals: <u>95.00</u> (A) <u>195.00</u> (B)
Phalaris arundinacea		Y		FACW	Providence Indoor BVA = 2.0F
2. Typha X glauca			_	OBL	Prevalence Index = B/A = 2.05  Hydrophytic Vegetation Indicators:
3. <u>Impatiens capensis</u>				FACW	Rapid Test for Hydrophytic Vegetation
4					✓ 2 - Dominance Test is >50%
5					✓ 3 - Prevalence Index is ≤3.0¹
6					4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8.					data in Remarks or on a separate sheet)
9					— Problematic Hydrophytic Vegetation¹ (Explain)
10					
Woody Vine Stratum (Plot size:)	75.0		I Cov	er	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1					Hydrophytic
2	+0		_		Vegetation
	0	= Tota	I Cov	er	Present? Yes ✓ No
Remarks: (Include photo numbers here or on a separate		Tota	. 557		
SM					

rofile Description: (Desc Depth Mate			x Feature	s			
inches) Color (mois	t) %	Color (moist)	%		Loc <sup>2</sup>	Texture	Remarks
0-24 2.5Y 2.5	/1 100					MUCK	
Type: C=Concentration, D=	Denletion RM=	Reduced Matrix MS	=Masker	d Sand Gra	ains	2l oc	ation: PL=Pore Lining, M=Matrix.
ydric Soil Indicators:	Depiction, 14W	reduced Matrix, Me	Masket	a Guna Gn			for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		Sandy (	Sleyed Ma	atrix (S4)			Prairie Redox (A16)
Histic Epipedon (A2)			Redox (S5				
Black Histic (A3)			Matrix (S			— Dark Si	urface (S7)
Hydrogen Sulfide (A4)				neral (F1)		Iron-Ma	anganese Masses (F12)
Stratified Layers (A5)		Loamy	Gleyed Ma	atrix (F2)		Very SI	nallow Dark Surface (TF12)
2 cm Muck (A10)			d Matrix (			Other (	Explain in Remarks)
_ Depleted Below Dark Su	ırface (A11)	Redox [	ark Surfa	ace (F6)			
_ Thick Dark Surface (A12				urface (F7)			of hydrophytic vegetation and
_ Sandy Mucky Mineral (S		Redox [	epressio	ns (F8)			hydrology must be present,
_ 5 cm Mucky Peat or Pea						unless	disturbed or problematic.
estrictive Layer (if observ							
Type:		-				\$2,55,515	20 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
12 4 14 14 14 14 14 17						Hydric Soil	Present? Yes \star No
Depth (inches):emarks:						, riyano con	
emarks: /DROLOGY						1 <b>1,4</b> 10000	
emarks: /DROLOGY /etland Hydrology Indicat	ors:						
emarks:  /DROLOGY  /etland Hydrology Indicat rimary Indicators (minimum	ors:					Seconda	
PROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)	ors:	Water-Sta	ned Leav			Seconda	ace Soil Cracks (B6)
PROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)	ors:	Water-Sta Aquatic Fa	ned Leav una (B13	3)		Seconda Surfa	ace Soil Cracks (B6) nage Patterns (B10)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)	ors:	Water-Sta	ned Leav una (B13	3)		Seconda Surfa	ace Soil Cracks (B6)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)	ors:	Water-Sta Aquatic Fa True Aqua Hydrogen	ned Leav una (B13 tic Plants Sulfide O	(B14) dor (C1)		Seconda Surfa Drain Dry Cray	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8)
PROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)	ors:	Water-Sta Aquatic Fa True Aqua	ned Leav una (B13 tic Plants Sulfide O	(B14) dor (C1)	ing Roots (	Seconda Surfa Drain Dry Cray	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)	ors:	Water-Sta Aquatic Fa True Aqua Hydrogen	ned Leav una (B13 tic Plants Sulfide Oc thizosphe	(B14) dor (C1) eres on Liv		Seconda Surfa Drair Dry Cray C3) Satu	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)	ors:	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	ned Leav una (B13 tic Plants Sulfide Oo thizosphe of Reduce	(B14) (B14) dor (C1) eres on Liv ed Iron (C4	4)	Seconda Surfa Drain Cray Cray C3) Satu	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)	ors: of one is requi	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	ned Leav una (B13 tic Plants Sulfide Oo thizosphe of Reduce n Reducti	(B14) dor (C1) eres on Lived Iron (C4) ion in Tilled	4)	Seconda Surfa Drain Cray Cray C3) Satu Stun ) Geor	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)	ors: of one is requi	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	ned Leav una (B13 tic Plants Sulfide Od thizosphe of Reduce n Reducti Surface (	(B14) dor (C1) eres on Lived Iron (C4) ion in Tilled (C7)	4)	Seconda Surfa Drain Cray Cray C3) Satu Stun ) Geor	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)	ors: of one is requii	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	ned Leav una (B13 tic Plants Sulfide Oc thizosphe of Reduce n Reducti Surface ( Well Data	(B14) dor (C1) eres on Liv ed Iron (C4) ion in Tilled (C7) (D9)	4)	Seconda Surfa Drain Cray Cray C3) Satu Stun ) Geor	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Ae  Sparsely Vegetated Cor	ors: of one is requir rial Imagery (Bi cave Surface (B	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or V 38) Other (Exp	ned Leav una (B13 tic Plants Sulfide Oc Rhizosphe of Reduce n Reducti Surface ( Well Data	(B14) dor (C1) eres on Liv ed Iron (C4) ion in Tilled (C7) (D9)	4)	Seconda Surfa Drain Cray Cray C3) Satu Stun ) Geor	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Ae	ors:  of one is required in the second in th	Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Iro  Thin Muck  7)  Gauge or 1  38)  Other (Exp	ned Leav una (B13 tic Plants Sulfide Oc thizosphe of Reduce n Reducti Surface ( Well Data blain in Re	(B14) (B14) dor (C1) eres on Liv ed Iron (C4) ion in Tiller (C7) (D9) emarks)	4)	Seconda Surfa Drain Cray Cray C3) Satu Stun ) Geor	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Ae  Sparsely Vegetated Coricilations:	ors:  of one is required in the second in th	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or V 38) Other (Exp	ned Leav una (B13 tic Plants Sulfide Oc thizosphe of Reduce n Reducti Surface ( Well Data blain in Re	(B14) dor (C1) eres on Liv ed Iron (C4) ion in Tilled (C7) (D9)	4)	Seconda Surfa Drain Cray Cray C3) Satu Stun ) Geor	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Ae  Sparsely Vegetated Corield Observations:  urface Water Present?  Vater Table Present?	ors:  of one is required in the second in th	Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Iro  Thin Muck  7)  Gauge or 1  38)  Other (Exp	ned Leav una (B13 tic Plants Sulfide Ochizosphe of Reduce n Reducti Surface ( Well Data blain in Re ches):	(B14) (B14) dor (C1) eres on Liv ed Iron (C4) ion in Tiller (C7) (D9) emarks)	d Soils (C6	Seconda  Surfa Drain  Dry-i  Cray  C3) Satu  Stun  Geor  FAC	ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Ae  Sparsely Vegetated Corield Observations:  urface Water Present?	ors:  of one is required in the second in th	Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Iro  Thin Muck  Gauge or V  38)  Other (Exp  No  Depth (inc  No  Depth (inc)	ned Leav una (B13 tic Plants Sulfide Ochizosphe of Reduce n Reducti Surface ( Well Data blain in Re ches): ches): ches):	(B14) (B14) (dor (C1) (res on Lived Iron (C4) (C7) (D9) (D9) (D9) (D12) (D12) (D13)	d Soils (C6	Seconda  Surfa Drain  Dry- Cray  C3) Satu Stun  Geor  FAC	ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Ae Sparsely Vegetated Corield Observations:  urface Water Present?  Vater Table Present?  aturation Present?  ncludes capillary fringe)	ors:  of one is required in the second in th	Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Iro  Thin Muck  Gauge or V  38)  Other (Exp  No  Depth (inc  No  Depth (inc)	ned Leav una (B13 tic Plants Sulfide Ochizosphe of Reduce n Reducti Surface ( Well Data blain in Re ches): ches): ches):	(B14) (B14) (dor (C1) (res on Lived Iron (C4) (C7) (D9) (D9) (D9) (D12) (D12) (D13)	d Soils (C6	Seconda  Surfa Drain  Dry- Cray  C3) Satu Stun  Geor  FAC	ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
POROLOGY  Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Ae Sparsely Vegetated Corield Observations:  urface Water Present?  Vater Table Present?  aturation Present?  ncludes capillary fringe)	ors:  of one is required in the second in th	Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Iro  Thin Muck  Gauge or V  38)  Other (Exp  No  Depth (inc  No  Depth (inc)	ned Leav una (B13 tic Plants Sulfide Ochizosphe of Reduce n Reducti Surface ( Well Data blain in Re ches): ches): ches):	(B14) (B14) (dor (C1) (res on Lived Iron (C4) (C7) (D9) (D9) (D9) (D12) (D12) (D13)	d Soils (C6	Seconda  Surfa Drain  Dry- Cray  C3) Satu Stun  Geor  FAC	nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Sparsely Vegetated Corield Observations: urface Water Present? Vater Table Present? aturation Present? includes capillary fringe) iescribe Recorded Data (strees)	ors:  of one is required in the second in th	Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Iro  Thin Muck  Gauge or V  38)  Other (Exp  No  Depth (inc  No  Depth (inc)	ned Leav una (B13 tic Plants Sulfide Ochizosphe of Reduce n Reducti Surface ( Well Data blain in Re ches): ches): ches):	(B14) (B14) (dor (C1) (res on Lived Iron (C4) (C7) (D9) (D9) (D9) (D12) (D12) (D13)	d Soils (C6	Seconda  Surfa Drain  Dry- Cray  C3) Satu Stun  Geor  FAC	ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae Sparsely Vegetated Corield Observations: urface Water Present? Vater Table Present? aturation Present? includes capillary fringe) iescribe Recorded Data (strees)	ors:  of one is required in the second in th	Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Iro  Thin Muck  Gauge or V  38)  Other (Exp  No  Depth (inc  No  Depth (inc)	ned Leav una (B13 tic Plants Sulfide Ochizosphe of Reduce n Reducti Surface ( Well Data blain in Re ches): ches): ches):	(B14) (B14) (dor (C1) (res on Lived Iron (C4) (C7) (D9) (D9) (D9) (D12) (D12) (D13)	d Soils (C6	Seconda  Surfa Drain  Dry- Cray  C3) Satu Stun  Geor  FAC	ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)

Project/Site: Tree Farm Property	(	Citv/Cou	untv: Waukes	sha County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises				State: Wisconsin Sampling Point: P30
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Matt				
• , ,				
Landform (hillslope, terrace, etc.): Other				
Slope (%): <u>3-7</u> Lat: <u>42.955974</u>				
Soil Map Unit Name: Ogden muck				NWI classification: PFO1/EM1Bg
Are climatic / hydrologic conditions on the site typical for this $\boldsymbol{t}$	time of yea	ar? Yes	S No	✓ (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysig	nificantly	disturbe	ed? Are "	Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology nat	turally prol	blematio	c? (If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map si	howing	samp	ling point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes _ ✓ No Hydric Soil Present? Yes _ ✓ No		ls	s the Sampled	Area
Wetland Hydrology Present? Yes No		v	vithin a Wetlan	d? Yes No✓
Remarks:				
Dredge spoils. APT analysis indicates cli	imatic (	condi	tions are i	n the wetter than normal range.
<b>VEGETATION</b> – Use scientific names of plants.				
			ant Indicator	Dominance Test worksheet:
			Status	Number of Dominant Species
1. Rhamnus cathartica				That Are OBL, FACW, or FAC:5 (A)
2. Acer negundo 3			FAC	Total Number of Dominant Species Across All Strata: 7 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 71.43 (A/B)
Sapling/Shrub Stratum (Plot size:)	70.0	= Total	Cover	Prevalence Index worksheet:
1. Rhamnus cathartica	50	V	FAC	Total % Cover of: Multiply by:
2				OBL species $0.00$ $\times 1 = 0.00$
3				FACW species 12.00 x 2 = 24.00
4				FAC species 138.00 x 3 = 414.00
5				FACU species 35.00 x 4 = 140.00
	50.0			UPL species 0.00 x 5 = 0.00
Herb Stratum (Plot size: 5				Column Totals: <u>185.00</u> (A) <u>578.00</u> (B)
Circaea canadensis	10	<u>Y</u>	FACU	
2. Rhamnus cathartica	10	Y		Prevalence Index = B/A = 3.12
3. <u>Lonicera X bella</u>				Hydrophytic Vegetation Indicators:
4. Symphyotrichum lateriflorum		Y		1 - Rapid Test for Hydrophytic Vegetation
5. Thalictrum dasycarpum		N	<u>FACW</u>	✓ 2 - Dominance Test is >50%
6. Parthenocissus quinquefolia		N	<u>FACU</u>	3 - Prevalence Index is ≤3.0 <sup>1</sup>
7. Arctium minus		N_	<u>FACU</u>	4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8. Oxalis stricta		N_		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
9. <u>Maianthemum stellatum</u>		N_	<u>FAC</u>	— Problematic Hydrophytic Vegetation (Explain)
10. <u>Geum canadense</u>	3	N	<u>FAC</u> _	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30 )	65.0			be present, unless disturbed or problematic.
1				Hydrophytic
2				Vegetation Present? Yes No
	0	= Total	Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separate sh	neet.)			

Profile Des	cription: (Desci	ribe to the dept	th needed to docu	ment the	indicator	or confir	m the absence of i	ndicators.)
Depth	Matr	ix		ox Feature				
(inches)	Color (moist	t) %	Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-6	10YR 2/	<u>1 100 </u>					SIL	
6-14	10YR 3/	1 50					SIL	
	_10YR 4/	2 50					SIL	
14-24							SIL	
	10YR 4/						SIL	
	<u> 1011X <del>-</del>/</u>			_				_
-								
1- 0.0							2	
Hydric Soil		Depletion, RM=	Reduced Matrix, M	S=Masked	d Sand Gra	ains.		n: PL=Pore Lining, M=Matrix.  Problematic Hydric Soils <sup>3</sup> :
Histoso			Sandy	Gloved Ma	atriv (QA)			rie Redox (A16)
	pipedon (A2)		Sandy	Redox (S5				
	listic (A3)			ed Matrix (S			— Dark Surfa	
	en Sulfide (A4)		Loamy	Mucky Min	neral (F1)			anese Masses (F12)
	d Layers (A5)			Gleyed Ma				ow Dark Surface (TF12)
	uck (A10) ed Below Dark Su	urfoco (A11)		ed Matrix ( Dark Surfa	,		Otner (Exp	olain in Remarks)
-	ark Surface (A12			ed Dark Sulla	, ,		<sup>3</sup> Indicators of h	nydrophytic vegetation and
	Mucky Mineral (S	•		Depressio				drology must be present,
5 cm M	ucky Peat or Pea	it (S3)		·	, ,			urbed or problematic.
Restrictive	Layer (if observ	ed):						
Type:								_
Depth (in	nches):						Hydric Soil Pre	sent? Yes No _
Remarks:								
HYDROLC								
	drology Indicat							
	-	of one is requir	ed; check all that a					ndicators (minimum of two required)
	Water (A1)			ained Leav	` '			Soil Cracks (B6)
	ater Table (A2)		Aquatic F					e Patterns (B10)
Saturati	/arks (B1)		True Aqui		. ,			son Water Table (C2) Burrows (C8)
	nt Deposits (B2)		Oxidized			ina Roots		on Visible on Aerial Imagery (C9)
	posits (B3)		· <del></del>	of Reduce		•	·	or Stressed Plants (D1)
	at or Crust (B4)		<del></del>	on Reducti	`	,	· <del></del>	phic Position (D2)
Iron De	` '		Thin Muc			,		utral Test (D5)
Inundat	ion Visible on Ae	rial Imagery (B7	7) Gauge or	Well Data	(D9)			
Sparsel	y Vegetated Con	cave Surface (E	38) Other (Ex	plain in Re	emarks)			
Field Obser	rvations:							
Surface Wa	ter Present?	Yes 1	No <u>√</u> Depth (ir	nches):		_		
Water Table	Present?	Yes 1	No✓ Depth (ir	nches):		_		
Saturation F		Yes 1	No✓ Depth (ir	nches):		Wet	land Hydrology Pr	esent? Yes No _
	pillary fringe) ecorded Data (str	eam gauge, mo	onitoring well, aerial	photos, pr	evious ins	pections)	. if available:	
		gg-,		p, p.		,	,	
Remarks:								

Project/Site: Tree Farm Property			City/Co	unty: Waukes	sha County	Samplir	ng Date: <u>2024</u>	-07-26
Applicant/Owner: Workman Enterprises					State: Wisconsir			
Investigator(s): Eric C. Parker, SPWS, N								
Landform (hillslope, terrace, etc.): Other					_			
Slope (%): <u>0-2</u> Lat: <u>42.95598</u>								
Soil Map Unit Name: Ogden muck			_		NWI class			
Are climatic / hydrologic conditions on the								
Are Vegetation, Soil, or H								No
								140
Are Vegetation, Soil, or H					eded, explain any ans			
SUMMARY OF FINDINGS – Att	ach site mar	snowing	samp	oling point l	ocations, transed	ets, impo	rtant teatur	es, etc.
Hydrophytic Vegetation Present?	Yes <u></u> ✓	No	١,	Is the Sampled	Area			
Hydric Soil Present?	Yes <u></u> ✓			_	nd? Yes_	✓ No	)	
Wetland Hydrology Present?	Yes <u>√</u>	No						
Remarks:	otio conditi	iono oro i	n tha	wotter the	n normal rang	•		
APT analysis indicates clim	ialic conditi	ions are i	n the	weller ina	ın normai rang	₽.		
VEGETATION – Use scientific na	ames of plant	s.						
- a				nant Indicator	Dominance Test w	orksheet:		
Tree Stratum (Plot size: 30					Number of Dominan That Are OBL, FAC		1	_ (A)
2					Total Number of Do		2	_ (B)
4 5					Percent of Dominan	t Species	50.00	_ (A/D)
		0		Cover	That Are OBL, FAC	W, or FAC:	50.00	_ (A/B)
Sapling/Shrub Stratum (Plot size:	15)				Prevalence Index v	vorksheet:		
1					Total % Cover of		Multiply by:	
2					OBL species 2		·	
3					FACW species			
4					FAC species			
5							5 = 0.00	<u>J</u>
Herb Stratum (Plot size: 5	)	0	= Total	Cover	Column Totals:			) (B)
1. Symphyotrichum puniceum		25	Y	OBL	Column Totalo.	<u> </u>	·) <u></u>	<u>(D)</u>
2. <u>Solidago canadensis</u>		20	Y	<u>FACU</u>	Prevalence Inc			
3. <u>Equisetum arvense</u>		15	N		Hydrophytic Vege			
					1 - Rapid Test f			
5. <u>Phalaris arundinacea</u>			N		2 - Dominance			
6. <u>Cirsium arvense</u>			N		✓ 3 - Prevalence I			
7					4 - Morphologic data in Rem		ns" (Provide su separate shee	
8					Problematic Hy	drophytic V	egetation <sup>1</sup> (Exp	olain)
9					ĺ	, ,	0 \ 1	,
10 (Plot size:		87.0		l Cover	<sup>1</sup> Indicators of hydric be present, unless			y must
1					Hydrophytic			
2			-		Vegetation	Voc. /	No	
		0	= Total	Cover	Present?	res <u>v</u>	No	
Remarks: (Include photo numbers here	or on a separate	e sheet.)						

Profile Des	cription: (Desc	cribe to the dep	oth needed	to docu	ment the	indicator	or confir	m the absence of	of indicators.)
Depth	Ma				ox Feature		. 2	<b>-</b> .	5
(inches)	Color (mois		Color (n	noist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		Remarks
0-15		<u>5/1                                    </u>				·	-	<u>MMI</u>	
<u>15-24</u>	10YR 5	<u> 95</u>	<u>10YR</u>	5/4	5	C	M_	SIC	
	· ·							. <u></u> .	
-	-		-			-	-	·	
		<u></u> .	-		_	·	-	<u> </u>	
1- 0.0								2,	
	Concentration, D Indicators:	=Depletion, RIV	=Reduced N	/latrix, M	S=Masked	Sand Gra	ains.		ation: PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :
Histoso				Sandy	Gleyed Ma	atriv (SA)			Prairie Redox (A16)
	pipedon (A2)				Redox (S5				
	listic (A3)				d Matrix (S			— Dark Su	
	en Sulfide (A4)		_ ✓		Mucky Mi				nganese Masses (F12)
	ed Layers (A5)		_		Gleyed M				nallow Dark Surface (TF12)
	uck (A10) ed Below Dark S	urfoco (A11)	_		ed Matrix ( Dark Surfa			Other (E	Explain in Remarks)
	ark Surface (A1					urface (F7)		<sup>3</sup> Indicators	of hydrophytic vegetation and
	Mucky Mineral (				Depressio	. ,			hydrology must be present,
5 cm M	ucky Peat or Pe	at (S3)			•	, ,		unless	disturbed or problematic.
Restrictive	Layer (if obser	ved):							
Type:									
Depth (in	nches):							Hydric Soil F	Present? Yes No
Remarks:									
HYDROLO									
_	drology Indica							0 1	
	icators (minimur	n of one is requ				(DO)		<u> </u>	y Indicators (minimum of two required)
	e Water (A1)				ained Leav	` '			ace Soil Cracks (B6)
	ater Table (A2)				auna (B13				age Patterns (B10)
Saturat	Marks (B1)				atic Plants Sulfide O	. ,			Season Water Table (C2) fish Burrows (C8)
	ent Deposits (B2	)				res on Liv	ina Roots		ration Visible on Aerial Imagery (C9)
	eposits (B3)	,				ed Iron (C4			ed or Stressed Plants (D1)
<del></del>	lat or Crust (B4)		_			on in Tille	,		norphic Position (D2)
Iron De	, ,		·		k Surface		`		Neutral Test (D5)
Inundat	tion Visible on A	erial Imagery (E			Well Data				
Sparsel	ly Vegetated Co	ncave Surface	(B8) O	ther (Ex	plain in Re	emarks)			
Field Obse	rvations:								
Surface Wa	ter Present?	Yes	No <u></u> √ [	Depth (in	nches):		_		
Water Table	e Present?	Yes	No <u></u> √ [	Depth (in	nches):		_		
Saturation F		Yes	No <u></u> ✓ [	Depth (in	nches):		Wet	land Hydrology	Present? Yes No
	pillary fringe) ecorded Data (st	room gougo m	onitoring wo	II porial	nhotos na	ovious ins	noctions)	if available:	
Describe Ne	ecolueu Dala (Si	ileaiii gauge, iii	oriitoring we	ii, atriai	priotos, pr	evious iris	pections)	, ii avallable.	
Remarks:									

Project/Site: Tree Farm Property	City/County: Waukesh	a County Sampling Date: 2024-07-26
Applicant/Owner: Workman Enterprises		State: Wisconsin Sampling Point: P32
Investigator(s): Eric C. Parker, SPWS, Matt Stangel, Mikayla Datka	Section, Township, Ra	inge: sec 30 T006N R020E
Landform (hillslope, terrace, etc.): Plain		<u> </u>
Slope (%): 0-2 Lat: 42.954981		
Soil Map Unit Name: Houghton muck, 0 to 2 percent slopes		
Are climatic / hydrologic conditions on the site typical for this time o		
Are Vegetation, Soil, or Hydrology significat		"Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally	problematic? (If no	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	ng sampling point I	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No		
Hydrophytic Vegetation Present? Yes ✓ No Hydric Soil Present? Yes ✓ No	is the bampiec	
Wetland Hydrology Present? Yes No		nd? Yes <u>√</u> No
Remarks:		
APT indicates climatic conditions are in the wetter than normal ran	ge.	
<b>VEGETATION</b> – Use scientific names of plants.		
Absolution	ute Dominant Indicator ver Species? Status	Dominance Test worksheet:
1		Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
2		(**)
3		Total Number of Dominant Species Across All Strata: 2 (B)
4		
5		Percent of Dominant Species That Are OBL, FACW, or FAC:100.00 (A/B)
	= Total Cover	Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius )		Total % Cover of:Multiply by:
1		OBL species x 1 = 12
2		FACW species 37 x 2 = 74
4		FAC species
5		FACU species 22 x 4 = 88
0	= Total Cover	UPL species0 x 5 =0
Herb Stratum (Plot size: 5' radius )		Column Totals:121 (A)324.00 (B)
1. Poa pratensis 50		Prevalence Index = B/A = 2.68
Carex cristatella     Schedonorus pratensis     Schedonorus pratensis		Hydrophytic Vegetation Indicators:
4. Symphyotrichum puniceum 7	<del></del>	1 - Rapid Test for Hydrophytic Vegetation
5. Cirsium arvense 7		✓ 2 - Dominance Test is >50%
6. PHALARIS ARUNDINACEA 7		√ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
	N OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8		data in Remarks or on a separate sheet)
9		— Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10		
121.	.0 = Total Cover	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 30' radius )		and processing and the processing of processing and the processing and
1		Hydrophytic
2		Vegetation Present? Yes No
0	= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)		
Disturbed wet meadow		

Profile Des	cription: (L								
Depth (inches)	Color (	Matrix moist)	<u></u> %	Red Color (moist)	ox Feature %		Loc <sup>2</sup>	Texture	Remarks
0-13	2.5Y	2.5/1	100	Color (moloc)		1,700		MUCK	TOMANO
13-24	10YR	3/2	85					PEAT	Mixed 7/2 shells-marl
13-24								-	Wiked 1/2 Stiells-Itlati
	10YR	7/2	15					PEAT	<del>-</del> '
					_			-	
					_			-	
									_
			etion, RM=R	educed Matrix, M	1S=Masked	d Sand Gra	ains.		Location: PL=Pore Lining, M=Matrix.
Hydric Soil									rs for Problematic Hydric Soils <sup>3</sup> :
✓ Histoso	. ,	.,		Sandy				Coa	st Prairie Redox (A16)
	pipedon (A2 listic (A3)	2)			Redox (S5			— Dark	Surface (S7)
_	en Sulfide (A	14)			ed Matrix (S Mucky Mi			Iron	-Manganese Masses (F12)
	ed Layers (A				Gleyed M			Very	Shallow Dark Surface (TF12)
✓ 2 cm M		,			ed Matrix (			Othe	er (Explain in Remarks)
	ed Below Da		(A11)		Dark Surfa	` ,		2	
	ark Surface				ed Dark Su				ors of hydrophytic vegetation and
	Mucky Mine ucky Peat o		:)	Redox	Depressio	ns (F8)			and hydrology must be present, ss disturbed or problematic.
Restrictive			,						oo alotalboa of problematic.
Type:		,							
	\							11	-!I DocumentO - Van - / Na
Depth (ir	icnes):			_				Hydric So	oil Present? Yes <u>√</u> No
Depth (ir Remarks:	icnes):							Hydric So	DII Present? Yes <u>V</u> No
Remarks:				_				Hydric So	DII Present? Yes <u>V</u> No
Remarks:	OGY			_				Hydric So	DII Present? Yes No
Remarks:  HYDROLO  Wetland Hy	OGY ydrology Ind	dicators:		d: check all that a	upply)				
Remarks:  HYDROLO  Wetland Hy  Primary Indi	OGY odrology Indicators (mini	dicators: mum of or		d; check all that a		res (B9)		Secon	ndary Indicators (minimum of two required
HYDROLO Wetland Hy Primary Indi Surface	OGY odrology Indicators (mini	dicators:		Water-Sta	ained Leav	` ,		Secor	ndary Indicators (minimum of two required urface Soil Cracks (B6)
HYDROLO Wetland Hy Primary Indi Surface	OGY odrology Indicators (minicators (A1) Water (A1)	dicators:			ained Leav auna (B13	3)		Secor S	ndary Indicators (minimum of two required
HYDROLO Wetland Hy Primary Indi Surface ✓ High W ✓ Saturat	OGY odrology Indicators (minicators (A1) Water (A1)	dicators:		Water-Sta Aquatic F True Aqu	ained Leav auna (B13	(B14)		Secor S D D	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10)
HYDROLO Wetland Hy Primary Ind Surface ✓ High W ✓ Saturat Water M	OGY  Idrology Indicators (minited Water (A1)  Patter Table (A1)  Idion (A3)	dicators: mum of or		Water-Standard Water-Standard Water Standard Water	ained Leav auna (B13 atic Plants	(B14) dor (C1)	ing Roots	Secor S D C C C C	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9)
HYDROLO Wetland Hy Primary Indi Surface ✓ High W ✓ Saturat Water M Sedime Drift De	ody vdrology Indicators (mini w Water (A1) dater Table (vion (A3) Marks (B1) ent Deposits eposits (B3)	dicators: mum of or A2) (B2)		Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence	ained Leav Fauna (B13 atic Plants Sulfide O Rhizosphe e of Reduce	(B14) (B14) dor (C1) eres on Liv ed Iron (C4	1)	<u>Secor</u> S D C C C S (C3) S S	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1)
HYDROLO Wetland Hy Primary Indi Surface ✓ High W ✓ Saturat Water N Sedime Drift De	ody odrology Indicators (mini- e Water (A1) ater Table (A1) ion (A3) Marks (B1) ent Deposits eposits (B3) lat or Crust (	dicators: mum of or A2) (B2)		Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir	ained Leav Fauna (B13 atic Plants a Sulfide O Rhizosphe of Reduce on Reduct	(B14) dor (C1) eres on Lived Iron (C4) ion in Tille	1)	Secor  S D C C S S S S S	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1) eomorphic Position (D2)
HYDROLO Wetland Hy Primary Indi Surface ✓ High W ✓ Saturat — Water M — Sedime — Drift De — Algal M — Iron De	ody odrology Indicators (mini- e Water (A1) cater Table (A1) odron (A3) Marks (B1) ent Deposits eposits (B3) lat or Crust (	dicators: mum of or A2) (B2) B4)	ne is required	Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir	ained Leav Fauna (B13 atic Plants a Sulfide O Rhizosphe of Reduction k Surface	(B14) dor (C1) eres on Lived Iron (C4) ion in Tilled (C7)	1)	Secor  S D C C S S S S S	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1)
HYDROLO Wetland Hy Primary Indi Surface ✓ High W ✓ Saturat Water M Sedime Drift De Algal M Iron De	ody odrology Indicators (mini- e Water (A1) fater Table (A ion (A3) Marks (B1) ent Deposits eposits (B3) lat or Crust ( eposits (B5) tion Visible of	dicators: mum of or A2) (B2) B4)	ne is required	Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc	ained Leav fauna (B13 atic Plants a Sulfide O Rhizosphe of Reduct on Reduct k Surface	(B14) dor (C1) eres on Lived Iron (C4) ion in Tiller (C7) (D9)	1)	Secor  S D C C S S S S S	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1) eomorphic Position (D2)
HYDROLO Wetland Hy Primary Indi Surface ✓ High W ✓ Saturat Water M Sedime Drift De Algal M Iron De Inundat Sparse	ody odrology Indicators (mini- e Water (A1) dater Table (Ai- ion (A3) Marks (B1) ent Deposits eposits (B3) lat or Crust ( posits (B5) tion Visible of	dicators: mum of or A2) (B2) B4)	ne is required	Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc	ained Leav fauna (B13 atic Plants a Sulfide O Rhizosphe of Reduct on Reduct k Surface	(B14) dor (C1) eres on Lived Iron (C4) ion in Tiller (C7) (D9)	1)	Secor  S D C C S S S S S	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1) eomorphic Position (D2)
HYDROLO Wetland Hy Primary Indi Surface ✓ High W ✓ Saturat Water M Sedime Drift De Algal M Iron De Inundat Sparse	ody odrology Indicators (mini- e Water (A1) cater Table (Ai- cion (A3) Marks (B1) ent Deposits eposits (B3) lat or Crust (Aposits (B5) cion Visible of ly Vegetated rvations:	dicators: mum of or (A2) (B2) (B4) on Aerial Ir	ne is required magery (B7) Surface (B8	Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent In Thin Muc Gauge or Other (Ex	ained Leav Fauna (B13 latic Plants in Sulfide O Rhizosphe e of Reduce on Reducti lek Surface well Data splain in Re	(B14) dor (C1) eres on Liv ed Iron (C4) ion in Tiller (C7) (D9) emarks)	t) d Soils (C	Secor  S D C C S S S S S	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1) eomorphic Position (D2)
HYDROLO  Wetland Hy Primary Ind  Surface  ✓ High W  ✓ Saturat  Water N  Sedime  Drift De  Algal M  Iron De  Inundat  Sparse  Field Obse  Surface Wa	ody vdrology Indicators (mini- e Water (A1) ater Table (A ion (A3) Marks (B1) ent Deposits eposits (B3) lat or Crust ( eposits (B5) cion Visible of ly Vegetated rvations:	dicators: mum of or A2) (B2) B4) on Aerial Ir I Concave	magery (B7) Surface (B8	Water-Sta Aquatic F Aquatic F True Aqu Hydroger Oxidized Presence Recent In Thin Muc Gauge or Other (Ex	ained Leav Fauna (B13 atic Plants in Sulfide O Rhizosphe e of Reduce on Reducti k Surface Well Data xplain in Re	(B14) dor (C1) eres on Lived Iron (C4) ion in Tiller (C7) (D9) emarks)	t) d Soils (C	Secor  S D C C S S S S S	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1) eomorphic Position (D2)
HYDROLO Wetland Hy Primary Indi Surface ✓ High W ✓ Saturat Water N Sedime Drift De Algal M Iron De Inundat Sparse Field Obse Surface Wa Water Table	ody vdrology Indicators (mini- e Water (A1) dater Table (A ion (A3) Marks (B1) ent Deposits eposits (B3) dat or Crust (eposits (B5) dat or Crust (eposits (E	dicators: mum of or A2) (B2) B4) on Aerial Ir I Concave	magery (B7) Surface (B8	Water-Sta Aquatic F Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc Gauge or Other (Ex	ained Leav fauna (B13 atic Plants n Sulfide O Rhizosphe of Reduce on Reduce k Surface Well Data kplain in Re nches):	(B14) (B14) (dor (C1) eres on Liv ed Iron (C4) (ion in Tiller (C7) (D9) emarks)	t) d Soils (C	Secor  S C C S C C S C C S C C S C S C S C S	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1) eomorphic Position (D2) AC-Neutral Test (D5)
HYDROLO  Wetland Hy  Primary Indi  Surface  ✓ High W  ✓ Saturat  Water N  Sedime  Algal M  Iron De  Inundat  Sparse  Field Obse  Surface Wa  Water Table  Saturation F  (includes ca	ody  drology Indicators (minited water (A1)) ater Table (A1) ater Table (A1) ater Table (A2) ater Trust (A2) a	dicators: mum of or A2)  (B2)  B4)  I Concave  Ye Ye	magery (B7) Surface (B8 es No es No	Water-Sta Aquatic F Aquatic F True Aqu Hydroger Oxidized Presence Recent In Thin Muc Gauge or Other (Ex	ained Leav Fauna (B13 atic Plants a Sulfide O Rhizosphe of Reduce on Reduct k Surface Well Data xplain in Re anches):	(B14) (B14) (dor (C1) eres on Liv ed Iron (C4) cion in Tiller (C7) (D9) emarks)	d Soils (C	Secon	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1) eomorphic Position (D2)
HYDROLO  Wetland Hy  Primary Indi  Surface  ✓ High W  ✓ Saturat  Water N  Sedime  Algal M  Iron De  Inundat  Sparse  Field Obse  Surface Wa  Water Table  Saturation F  (includes ca	pogy  rdrology Indicators (minited Water (A1) fater Table (A1) fater Table (A1) fater Table (A2) fater Table (A3) fater Table	dicators: mum of or A2) (B2) B4) I Concave Ye Ye Ye (B2) A (stream	magery (B7) Surface (B8 es No es No	Water-Sta Aquatic F Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc Gauge or Other (Ex	ained Leav Fauna (B13 atic Plants a Sulfide O Rhizosphe of Reduce on Reduct k Surface Well Data xplain in Re anches):	(B14) (B14) (dor (C1) eres on Liv ed Iron (C4) cion in Tiller (C7) (D9) emarks)	d Soils (C	Secon	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1) eomorphic Position (D2) AC-Neutral Test (D5)
HYDROLO  Wetland Hy Primary Indi  Surface  ✓ High W  ✓ Saturat  Water N  Sedime  Drift De  Algal M  Iron De  Inundat  Sparse  Field Obse  Surface Wa  Water Table  Saturation F (includes ca  Describe Re	pogy  rdrology Indicators (minited Water (A1) fater Table (A1) fater Table (A1) fater Table (A2) fater Table (A3) fater Table	dicators: mum of or A2) (B2) B4) I Concave Ye Ye Ye (B2) A (stream	magery (B7) Surface (B8 es No es No	Water-Sta Aquatic F Aquatic F True Aqu Hydroger Oxidized Presence Recent In Thin Muc Gauge or Other (Ex	ained Leav Fauna (B13 atic Plants a Sulfide O Rhizosphe of Reduce on Reduct k Surface Well Data xplain in Re anches):	(B14) (B14) (dor (C1) eres on Liv ed Iron (C4) cion in Tiller (C7) (D9) emarks)	d Soils (C	Secon	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1) eomorphic Position (D2) AC-Neutral Test (D5)
HYDROLO Wetland Hy Primary Indi Surface  High W Saturat Water M Sedime Drift De Algal M Iron De Inundat Sparsee Field Obse Surface Wa Water Table Saturation F (includes ca Describe Re 2005-2022 N	pogy  rdrology Indicators (minited Water (A1) fater Table (A1) fater Table (A1) fater Table (A2) fater Table (A3) fater Table (A3) fater Table (A3) fater Table (A3) fater Table (B3) fater Deposits (B3) fater Crust (B5) fater Crust (B5) fater Present?	dicators: mum of or A2) (B2) B4) I Concave Ye Ye Ye (B2) A (stream	magery (B7) Surface (B8 es No es No	Water-Sta Aquatic F Aquatic F True Aqu Hydroger Oxidized Presence Recent In Thin Muc Gauge or Other (Ex	ained Leav Fauna (B13 atic Plants a Sulfide O Rhizosphe of Reduce on Reduct k Surface Well Data xplain in Re anches):	(B14) (B14) (dor (C1) eres on Liv ed Iron (C4) cion in Tiller (C7) (D9) emarks)	d Soils (C	Secon	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1) eomorphic Position (D2) AC-Neutral Test (D5)
HYDROLO  Wetland Hy Primary Indi  Surface  ✓ High W  ✓ Saturat  Water M  Sedime  Drift De  Algal M  Iron De  Inundat  Sparse  Field Obse  Surface Wa  Water Table  Saturation F (includes ca  Describe Re 2005-2022 N	pogy  rdrology Indicators (minited Water (A1) fater Table (A1) fater Table (A1) fater Table (A2) fater Table (A3) fater Table (A3) fater Table (A3) fater Table (A3) fater Table (B3) fater Deposits (B3) fater Crust (B5) fater Crust (B5) fater Present?	dicators: mum of or A2) (B2) B4) I Concave Ye Ye Ye (B2) A (stream	magery (B7) Surface (B8 es No es No	Water-Sta Aquatic F Aquatic F True Aqu Hydroger Oxidized Presence Recent In Thin Muc Gauge or Other (Ex	ained Leav Fauna (B13 atic Plants a Sulfide O Rhizosphe of Reduce on Reduct k Surface Well Data xplain in Re anches):	(B14) (B14) (dor (C1) eres on Liv ed Iron (C4) cion in Tiller (C7) (D9) emarks)	d Soils (C	Secon	ndary Indicators (minimum of two required urface Soil Cracks (B6) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1) eomorphic Position (D2) AC-Neutral Test (D5)

Project/Site: Tree Farm Property	ounty: Waukesha	a County	Sampling Date: <u>2024-07-26</u>			
Applicant/Owner: Workman Enterprises			State: Wisconsin Sampling Point: P33			
Investigator(s): Eric C. Parker, SPWS, Mikayla Datka, Matt Stange	jel Sectio	n, Township, Rar	nge: sec 30 T006N R02	'0E		
	<u></u>	•	(concave, convex, none)			
Slope (%): <u>0-2</u> Lat: <u>42.953849</u>			,			
Soil Map Unit Name: Houghton muck, 0 to 2 percent slopes				<del>-</del>		
Are climatic / hydrologic conditions on the site typical for this time			1			
Are Vegetation, Soil, or Hydrology signification,				present? Yes No		
Are Vegetation, Soil, or Hydrology naturall			eded, explain any answ	· — — —		
SUMMARY OF FINDINGS – Attach site map show				•		
			<u> </u>	<u> </u>		
Hydrophytic Vegetation Present? Yes ✓ No Hydric Soil Present? Yes ✓ No		Is the Sampled	Area			
Wetland Hydrology Present? Yes No		within a Wetlan	nd? Yes	No <u></u> _		
Remarks:						
APT indicates climatic conditions are in the wetter than normal ra	ange.					
VEGETATION – Use scientific names of plants.						
<u> </u>	olute Dom	inant Indicator	Dominance Test wor	ksheet:		
Tree Stratum         (Plot size:30' radius)         % Col           1		sies? Status	Number of Dominant S That Are OBL, FACW,	'		
2			Total Number of Domi	inant		
3			Species Across All Str			
4			Percent of Dominant S	Species		
5			That Are OBL, FACW,	, or FAC: <u>66.67</u> (A/B)		
Sapling/Shrub Stratum (Plot size: 15' radius )	<u>0</u> = Tota	al Cover	Prevalence Index wo	rksheet:		
1			Total % Cover of:	Multiply by:		
2				0 x 1 = 0		
3.			FACW species6	60 x 2 = 120		
4			FAC species3	32 x 3 = 96		
5			FACU species4	17 x 4 = 188		
	<u>0</u> = Tota	al Cover	UPL species	0 x 5 = 0		
Herb Stratum (Plot size: 5' radius )		. =	Column Totals:1	<u>39</u> (A) <u>404.00</u> (B)		
	30 Y		Prevalence Inde	v _ D/A _ 291		
	25 Y 25 Y		Hydrophytic Vegeta	<u> </u>		
				Hydrophytic Vegetation		
	<u>20 N</u> 15 N		✓ 2 - Dominance Te			
	10 N		√ 3 - Prevalence Ind			
<u> </u>	7 N	<del></del>	l <del></del>	Adaptations <sup>1</sup> (Provide supporting		
	7 N			ks or on a separate sheet)		
9		<del></del>	— Problematic Hydr	rophytic Vegetation <sup>1</sup> (Explain)		
10						
	39.0 = Tota			oil and wetland hydrology must sturbed or problematic.		
1			Hydrophytic			
2			Vegetation	/		
	0 = Tota	al Cover	Present? Yo	es No		
Remarks: (Include photo numbers here or on a separate sheet.)		50.0.	I			
Weed community						

Profile Desc	cription: (I	Describe t	o the dept	h needed to docu	ment the	indicator	or confir	m the absence	e of indicators.)
Depth		Matrix			ox Feature		. 2		
(inches)	Color (	moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-14	2.5Y	2.5/1	100					MUCK	Dry to moist
14-20	10YR	2/1	90				-	MPT	Moist
	10YR	3/2	10					MPT	
20-24	10YR	3/2	100					PEAT	Moist
					_				
	-					· ——			
1		- D DI		Dadwaad Matrix N		d Co. d C.	-:	21.	sections DI Done Lining M Matrix
Hydric Soil			ellon, Rivi=	Reduced Matrix, N	15=IVIASKE	a Sand Gra	airis.		ocation: PL=Pore Lining, M=Matrix. s for Problematic Hydric Soils <sup>3</sup> :
✓ Histosol				Sandy	Gleved Ma	atrix (S4)			t Prairie Redox (A16)
	pipedon (A2	2)			Redox (S5				Surface (S7)
	istic (A3)			Strippe	ed Matrix (S	S6)			
	en Sulfide (	,			Mucky Mi				Manganese Masses (F12) Shallow Dark Surface (TF12)
Stratified 2 cm Mu	d Layers (A	.5)			Gleyed Matrix (			•	(Explain in Remarks)
	d Below Da	ırk Surface	(A11)		Dark Surfa			Other	(Explain in Nemarks)
	ark Surface		, (, , , , ,		ed Dark Su	` '		<sup>3</sup> Indicator	s of hydrophytic vegetation and
Sandy N					Depressio				nd hydrology must be present,
	ucky Peat o		5)					unles	s disturbed or problematic.
Restrictive	• •	•							
	ches):							Hydric Soi	I Present? Yes <u>√</u> No
Remarks:									
HYDROLO	GV.								
Wetland Hy		dicators:							
_			ne is require	ed; check all that a	nnly)			Second	lary Indicators (minimum of two required)
	Water (A1)		ic io require		ained Leav	res (R9)			rface Soil Cracks (B6)
	ater Table (			Aquatic F		` '			ainage Patterns (B10)
Saturati		,		True Aqu					/-Season Water Table (C2)
Water M	1arks (B1)			Hydroger	Sulfide O	dor (C1)			ayfish Burrows (C8)
Sedime	nt Deposits	(B2)		Oxidized	Rhizosphe	eres on Liv	ing Roots	(C3) Sat	turation Visible on Aerial Imagery (C9)
Drift De	posits (B3)			Presence	of Reduce	ed Iron (C4	<b>!</b> )	Stu	inted or Stressed Plants (D1)
Algal Ma	at or Crust	(B4)		Recent Ir	on Reducti	ion in Tille	d Soils (C	6) <u> </u>	omorphic Position (D2)
Iron Dep	, ,				k Surface	. ,		FA	C-Neutral Test (D5)
			magery (B7	_		' '			
		d Concave	Surface (B	8) Other (Ex	cplain in Re	emarks)			
Field Obser		,							
Surface Wat				lo Depth (ir					
Water Table				lo Depth (ir					<b>5</b> 40 W
Saturation P (includes cap			es N	lo Depth (ir	nches):		_ Wet	land Hydrolog	gy Present? Yes No✓
			gauge, mor	nitoring well, aerial	photos, pr	revious ins	pections)	, if available:	
2005-2022 N	AIP imager	у.							
Remarks:									
				dry. In zone of infland landscape pos					th. Monitoring wells on site show
aigi iii cant un	unaye IIIIU	101 10 <del>0</del> 111 31	milai sulls a	па тапазсаре роз	adir urluel	aicse wel	2024 001	iditions.	



Workman Enterprises LLC Tree Farm Property Project #: 20241185 February 7, 2025

# $Appendix\ D\mid Site\ Photographs$

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 Sample point P9



Photo #35 Sample point P9



Photo #32 Sample point P8



Photo #34 Sample point P9



Photo #36 Sample point P9



Photo #37 Sample point P10



Photo #39 Sample point P10



Photo #41 Sample point P11



Photo #38 Sample point P10



Photo #40 Sample point P10



Photo #42 Sample point P11



Photo #43 Sample point P11



Photo #45 Sample point P12



Photo #47 Sample point P12



Photo #44 Sample point P11



Photo #46 Sample point P12



Photo #48 Sample point P12



Photo #49 Sample point P13



Photo #51 Sample point P13



Photo #53 Sample point P14



Photo #50 Sample point P13



Photo #52 Sample point P13



Photo #54 Sample point P14



Photo #55 Sample point P14



Photo #57 Sample point P15



Photo #59 Sample point P15



Photo #56 Sample point P14



Photo #58 Sample point P15



Photo #60 Sample point P15



Photo #61 Sample point P16



Photo #63 Sample point P16



Photo #65 Sample point P17



Photo #62 Sample point P16



Photo #64 Sample point P16



Photo #66 Sample point P17



Photo #67 Sample point P17



Photo #69 Sample point P18



Photo #71 Sample point P18



Photo #68 Sample point P17



Photo #70 Sample point P18



Photo #72 Sample point P18



Photo #73 Sample point P19



Photo #75 Sample point P19



Photo #77 Sample point P20



Photo #74 Sample point P19



Photo #76 Sample point P19



Photo #78 Sample point P20



Photo #79 Sample point P20



Photo #81 Sample point P21



Photo #83 Sample point P21



Photo #80 Sample point P20



Photo #82 Sample point P21



Photo #84 Sample point P21



Photo #85 Sample point P22



Photo #87 Sample point P22



Photo #89 Sample point P23



Photo #86 Sample point P22



Photo #88 Sample point P22



Photo #90 Sample point P23



Photo #91 Sample point P23



Photo #93 Sample point P24



Photo #95 Sample point P24



Photo #92 Sample point P23



Photo #94 Sample point P24



Photo #96 Sample point P24



Photo #97 Sample point P25



Photo #99 Sample point P25



**Photo #101** Sample point P26



Photo #98 Sample point P25



Photo #100 Sample point P25



Photo #102 Sample point P26



Photo #103 Sample point P26



Photo #105 Sample point P27



Photo #107 Sample point P27



Photo #104 Sample point P26



Photo #106 Sample point P27

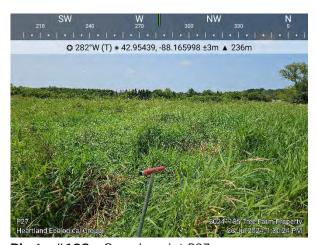


Photo #108 Sample point P27



Photo #109 Sample point P28



Photo #111 Sample point P28



Photo #113 Sample point P29



Photo #110 Sample point P28



Photo #112 Sample point P28



Photo #114 Sample point P29



Photo #115 Sample point P29



Photo #117 Sample point P30



Photo #119 Sample point P30



Photo #116 Sample point P29



Photo #118 Sample point P30



**Photo #120** Sample point P30



Photo #121 Sample point P31



Photo #123 Sample point P31



Photo #125 WW-8E



Photo #122 Sample point P31



Photo #124 Sample point P31



**Photo #126** WW-8E



Photo #127 WW-7E



Photo #129 Mill Creek



Photo #131 WW-1



Photo #128 WW-7E



Photo #130 Mill Creek



Photo #132 WW-1



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# Appendix E | Delineator Qualifications

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1027 W St Paul Ave
Milwaukee WI, WI, 53233

Tony Evers, Governor Adam N. Payne, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



March 22, 2024

Matt Stangel Heartland Ecological Group, Inc. 243 E Wilbur Ave. Milwaukee, WI 53207

Subject: 2024 Assured Wetland Delineator Confirmation

Dear Mr. Stangel:

This letter provides Wisconsin Department of Natural Resources (WDNR) confirmation for the wetland delineations you conduct during the 2024 growing season. You and your clients will not need to wait for the WDNR to review your wetland delineations before moving forward with project planning. This will help expedite the review process for WDNR's wetland regulatory program. Your name and contact information is listed on our website at: http://dnr.wi.gov/topic/wetlands/assurance.html.

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

To comply with Chapter 23.321, State Statutes, please supply the department with a polygon shapefile of the wetland boundaries delineated within the project area. Please do not include data such as parcel boundaries, project limits, wetland graphic representation symbols, etc. If internal upland polygons are found within a wetland polygon, then please label as UPLAND. The shapefile should utilize a State Plane Projection and be overlain onto recent aerial photography. If a different projection system is used, please indicate in which system the data are projected. In the correspondence sent with the shapefile, please supply a brief description of each wetland's plant community (eg: wet meadow, floodplain forest, etc.). Please send these data to Calvin Lawrence (608-266-0756 or email at calvin.lawrence@wisconsin.gov).

If you or any client has a question regarding your status in the Wetland Delineation Professional Assurance Program, contact me by email at kara.brooks@wisconsin.gov or phone at 414-308-6780. Thank you for all your hard work and best wishes for the upcoming field season.

Sincerely,

Son Bark

Kara Brooks Wetland Identification Coordinator Bureau of Watershed Management



#### **Matt Stangel** Environmental Scientist

243 East Wilbur Avenue, Milwaukee, WI 53207 matt@heartlandecological.com (920) 419-5634



Matt Stangel holds a B.A. degree in Geography as well as an M.S. in Freshwater Sciences and Technology from the University of Wisconsin - Milwaukee. He has over 12 years of professional experience in environmental science including wetland delineation, ecological restoration, natural area management, and environmental sampling and analysis. Matt is proficient with ESRI ArcGIS software and supports Heartland's projects by processing field data and creating map figures. He has completed basic (2017) and advanced (2018) wetland delineation courses through UW-La Crosse and has assisted on hundreds of wetland delineations for public and private clientele. He is an assured wetland delineator and a Wetland Professional in Training (WPIT) with the Society of Wetland Scientists.

#### Education

MS, Freshwater Sciences and Technology, University of Wisconsin - Milwaukee, Milwaukee, WI, 2016

BA, Geography (emphasis Environmental Geography), University of Wisconsin - Milwaukee, Milwaukee, WI, 2011

### **Certifications and Licensing**

Assured Wetland Delineator, WDNR, 2022-present

Wetland Professional in Training (WPIT), Society of Wetland Scientists Professional Certification Program, 2020 - present

### **Professional Development**

Critical Methods in Wetland Delineation, University of Wisconsin - La Crosse Continuing Education and Extension, Madison, WI, 2017 - 2024

Grasses and Sedges Identification and Sampling, University of Wisconsin – Stevens Point, Schmeeckle Reserve, Stevens Point, WI, 2019

Advanced Wetland Delineation, University of Wisconsin - La Crosse, La Crosse, WI, 2018

Basic Wetland Delineation Training, University of Wisconsin – La Crosse, La Crosse, WI, 2017



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# Appendix F | NAIP Imagery





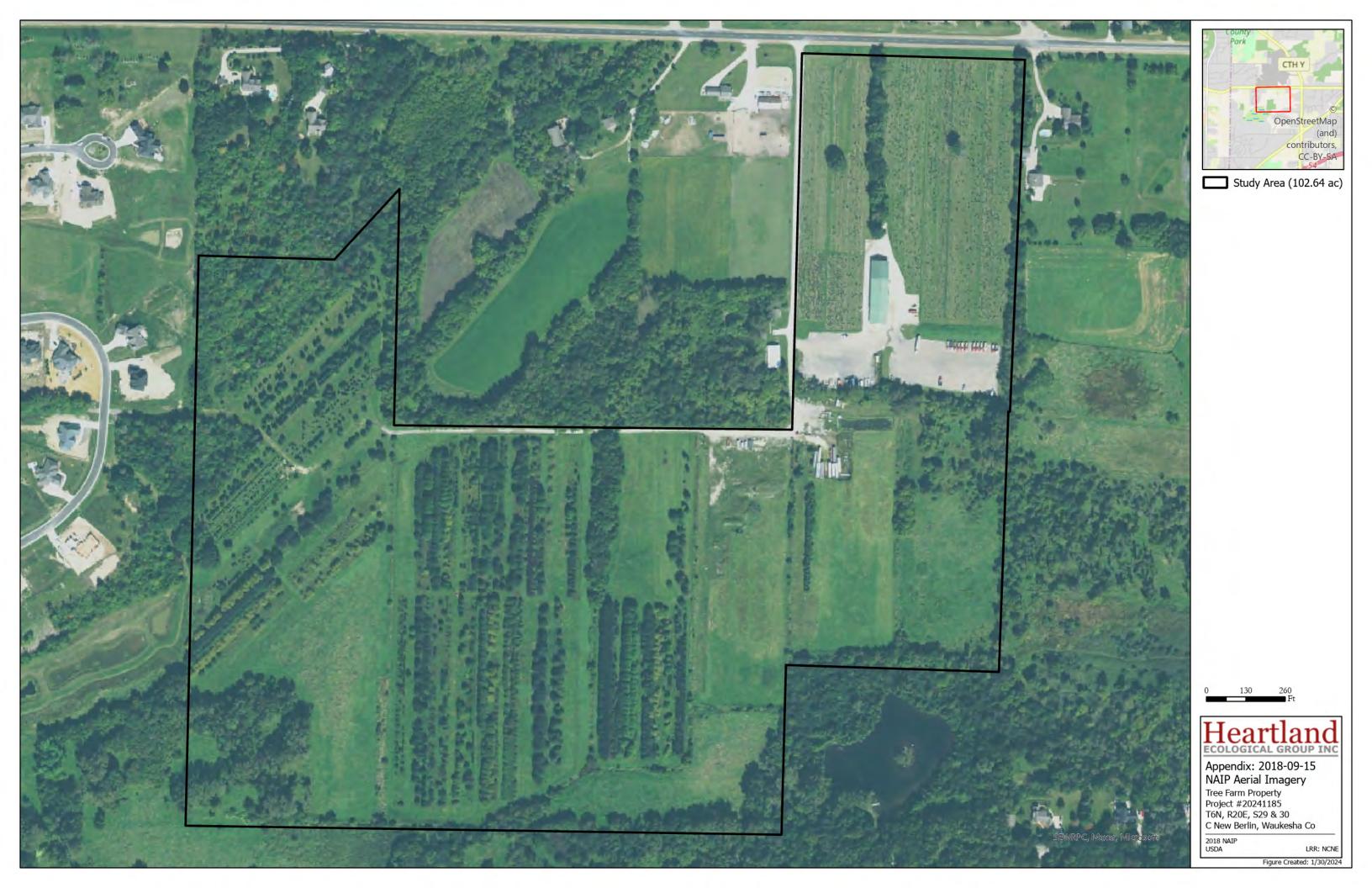














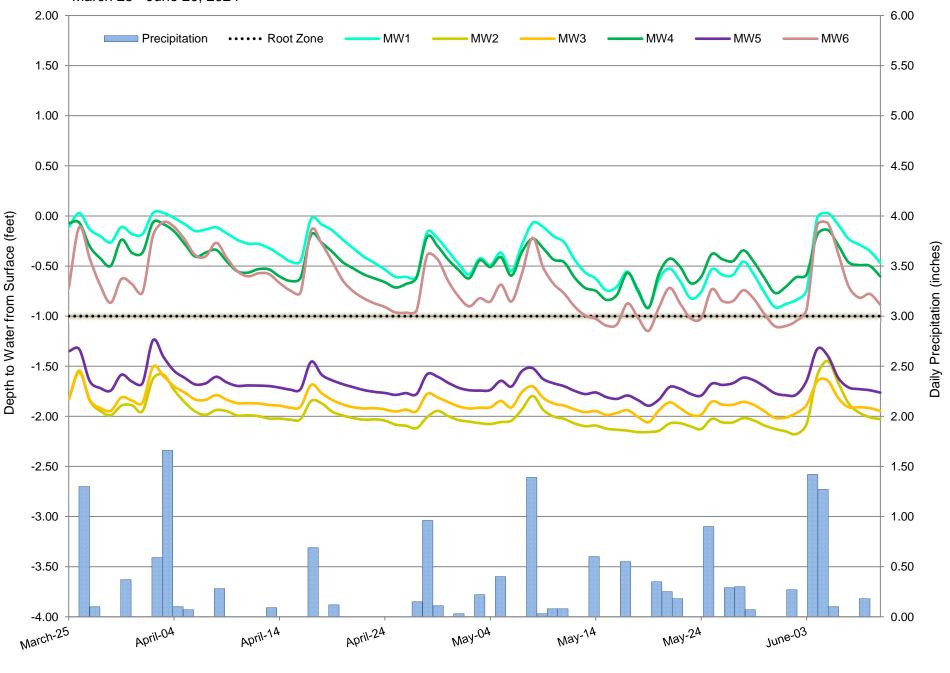




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# Appendix G | Monitoring Well Hydrograph

Chart 1. Water Level Hydrograph - Tree Farm Site March 25 - June 20, 2024



Month



### $\label{lem:contact} \textbf{Appendix} \ \textbf{G} \ | \ \textbf{Adjacent Property Owners Contact Information}$

### **Adjacent Property Owners Contact Information**

Parcel ID	Primary Owner Name	Full Mailing Address
NBC 1272999	SCHAEFER LARRY A SCHAEFER JOYCE I	20700 W BARTON RD, NEW BERLIN, WI 53146
NBC 1267067	ROGERS GLEN HOMEOWNERS ASSOCIA	3415 N 127TH ST #300, BROOKFIELD, WI 53005
NBC 1267999	HAMILTON ERIC L	20285 W HICKORY TR, NEW BERLIN, WI 53146
NBC 1266993006	FROEMMING STEVEN F	4995 S RACINE AVE, NEW BERLIN, WI 53146
NBC 1269999009	THE SWEENEY FAMILY REVOCLABLE	20211 W LAWNSDALE RD, NEW BERLIN, WI 53146
NBC 1269999004	HAYES SEAN HAYES PAULETTE	20855 W LAWNSDALE RD, NEW BERLIN, WI 53146
NBC 1269999005	HUBERT DOUGLAS J HUBERT JILL A	20835 W LAWNSDALE RD, NEW BERLIN, WI 53146
NBC 1269999008	HIGHT BARRY A HIGHT VALERIE H	20215 W LAWNSDALE RD, NEW BERLIN, WI 53146
NBC 1269999007	SWEENEY FAMILY REVOCABLE TRUST	20211 W LAWNSDALE RD, NEW BERLIN, WI 53146
NBC 1269998	KATZENBERG KEVIN A KATZENBERG SHARON A	20205 W LAWNSDALE RD, NEW BERLIN, WI 53146
NBC 1266999001	BACOVSKY STEVEN J BACOVSKY SHERRI L	20075 W LAWNSDALE RD, NEW BERLIN, WI 53146
NBC 1266999	KGP PROPERTIES LLC	19805 W LAWNSDALE RD, NEW BERLIN, WI 53151
NBC 1269022	KOHLER RIDGE LLC	833 E MICHIGAN ST STE 1000, MILWAUKEE, WI 53202