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September 27, 2018

Mr. Josh Brown Wisconsin Department of Natural Resources 101 S Webster Street Madison, WI 53703

## Subject: Wetland Compensatory Mitigation In Lieu Fee Purchase for the Wisconn Valley Science and Technology Park – Phase I Project, Parcels 409 and 413

Dear Mr. Brown:

On behalf of SIO International Wisconsin, Inc. (SIO), CH2M HILL Engineers, Inc. (now Jacobs), submits this proposal to purchase Wisconsin Wetland Conservation Trust In Lieu Fee (ILF) credits to satisfy wetland impacts for 0.25 acres of additional wetlands within the footprint of the Wisconn Valley Science and Technology Park – Phase I Project (the Project) located in the Village of Mount Pleasant, Wisconsin. This Project is located in a new electronics and information technology manufacturing zone as created by 2017 Wisconsin Act 58 (the Act).

When the previous ILF request was submitted on April 16, 2018, it was known that additional parcels would be acquired and need to be reviewed for wetland presence at a later date. Since that time, parcels 409 and 413 have come under ownership. Subsequently, two wetlands were identified on these parcels. This additional request and following payment will satisfy WDNR requirements for the impacts that will occur to these wetlands.

As indicated in the Act, wetland mitigation will be completed at a 2:1 ratio. Based on surveys completed on the site, we believe that Table 1 accurately summarizes the In Lieu Fee that is required.

#### Table 1. Parcels 409 & 413 Wetland Summary

| ILF Watershed    | Impact area<br>(acres) | Price per credit | Ratio | Total Credits<br>Required | Total fee       |
|------------------|------------------------|------------------|-------|---------------------------|-----------------|
| SW Lake Michigan | 0.25                   | \$62,000         | 2:1   | 0.5                       | <u>\$31,000</u> |

per 2017 fee schedule: https://dnr.wi.gov/topic/Wetlands/documents/mitigation/WWCTAnnualReportFY2017.pdf

This proposal and its accompanying documents have been the subject of several prior meetings with the Department. The Project area is currently largely in agricultural land use with some isolated wetlands as are shown in the following accompanying documents:

- Mitigation Summary Worksheet
- Exhibit A, Wetland Delineation Map Foxconn Parcels 409 & 413 Prairie View Drive Village of Mount Pleasant, Wisconsin
- The Wetland and Waterway Delineation Report prepared by TRC Environmental Corporation (dated September 19, 2018) is included in this submittal

Mr. Josh Brown September 27, 2018 Page 2 of 2



Should you have any questions on this proposal, please feel free to contact me at 414-847-0209 or michelle.hackett@jacobs.com.

Respectfully Submitted,

Michelle Hackett

Michelle Hackett

**Permitting Specialist** 

### Mitigation Summary Worksheet

|  | Preliminary mitigation su              | mmary sheet   | Х                             | Final mitigation summary       | sheet                                    |  |
|--|--|---------------|-------------------------------|--------------------------------|--|--|
| CONTACT IN                                       | ORMATION                               | AF            | PPLICANT                      | AUTHO                          | RIZED REPRESENTATIVE                     |  |
| Name (Last, First, Middle Initial) Hong, Yong-Cl |  | hing "Tiger   | " Hackett, N                  | Hackett, Michelle G.           |  |  |
| Title Senior Consulta                            |  |               | ltant                         | Permittin                      | g Specialist                             |  |
| Organization / Entity SIO International Wi       |  |               | al Wisconsin,                 |                                |  |  |
| Mailing Addr                                     | ess                                    | 13315 Globe   | Drive,                        | 135 South                      | 84 <sup>th</sup> Street Suite 400        |  |
| City, State, Zi                                  | p Code                                 | Mount Pleasa  | ant, WI 531                   | L77 Milwauke                   | e, WI 53214                              |  |
| Email Addres                                     | S                                      | tiger.yq.hong | g@foxconn                     | .com Michelle.I                | Hackett@jacobs.com                       |  |
| Phone Numb                                       | er (incl. Area Code)                   | 949-231-7028  |                               | 414-847-0                      | 0209                                     |  |
|  |  | PROJEC        | T INFORMAT                    | ION                            |  |  |
| Project Name                                     | 2                                      |               | Wisconn V<br>Parcels 409      | •                              | chnology Park – Phase I,                 |  |
| Mitigation Se                                    | rvice Area                             |               | Southwes                      | tern Lake Michigar             | ı  |  |
| Latitude_Lon                                     | gitude Coordinates                     |               | 42°40'25.                     | 17"N, 87°55'1.29"\             | N  |  |
| · · · · ·  | Location (City, Village, To            | own)          | Mt. Pleasa                    | ant                            |  |  |
|  | Range Section                          |               | T3N, R22E                     | E, S32                         |  |  |
| County Locat                                     |  |               | Racine                        |                                |  |  |
| Project Descr                                    | •                                      |               |                               |                                | te grading. See cover                    |  |
| · _  | scription of wetland imp               | -             |                               | nore details.                  |  |  |
| PR   | OPOSED UNAVOIDABL<br>Acreage (to neare |               | PACTS BY CO                   | VER TYPE AND DELINI            | EATED ACREAGE                            |  |
|  | SW Lake Michigan                       |               |                               | Wetland Cover T                | уре                                      |  |
|  |  |               |                               | Shallow, Open Water            |  |  |
|  | 0.11                                   |               |                               | Deep and Shallow Marshes       |  |  |
|  |  |               |                               | Sedge Meadows                  |  |  |
|  | 0.14                                   |               |                               | Fresh (Wet) Meadow             |  |  |
|  | 0.11                                   |               |                               | Wet to Wet Mesio               |  |  |
|  |  |               | Calcareous Fens               |                                |  |  |
|  |  |               | Bogs (Open or Coniferous)     |                                |  |  |
|  |  |               | Shrub – Carr or Alder Thicket |                                |  |  |
|  |  |               |                               |                                |  |  |
|  |  |               | Hardwood or Cor               |                                | · · · · · · · · · · · · · · · · · · ·    |  |
|  |  |               |                               | Floodplain Forest              |  |  |
|  |  |               |                               | Seasonally Floode              | ed Basins                                |  |
|  |  |               |                               | Total per basin                |  |  |
| CHECK<br>SELECTION                               | PROPOSED COMPENSA<br>MITIGATION        | ATORY         |                               | WHY TYPE WAS<br>LIST CONTACTED | EXPLAIN WHETHER<br>CREDITS ARE AVAILABLE |  |
|  | Credit Purchase: Mitig                 | ation Bank    |                               |                                |  |  |
| х  | Credit Purchase: WI W                  |               | SIO did no                    | t have access to all           | Credits are available.                   |  |
|  | Conservation Trust (In                 | Lieu Fee)     | parcels at                    | the time of initial            |  |  |
|  |  |               |                               | on April 16, 2018.             |  |  |
|  |  |               |                               | with the prior                 |  |  |
|  |  |               | submittal, the applicant has  |                                |  |  |
|  |  |               | elected to                    | use the ILF option.            |  |  |
|  |  |               | Contactor                     | lach Brown Frie                |  |  |
|  |  |               |                               | losh Brown, Eric               |  |  |
|  |  |               | Ebersberg                     |                                |  |  |
|  | Permittee Responsible                  | Mitigation    |                               |                                |  |  |



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STUDY AREA

UPLAND SAMPLE POINT

WETLAND SAMPLE POINT

TRC DELINEATED WETLAND

|                                       | FOXCONN - PARCELS 409 & 413<br>PRAIRIE VIEW DRIVE<br>VILLAGE OF MOUNT PLEASANT, WISCONSIN |                |            |   |  |  |  |  |
|---------------------------------------|---|----------------|------------|---|--|--|--|--|
|                                       |   |                |            |   |  |  |  |  |
|                                       | DRAWN BY:   | A. REIS        | PROJ. NO.: | 307032  |  |  |  |  |
|                                       | CHECKED BY:   | R. LONDRE      |            |   |  |  |  |  |
|                                       | APPROVED BY:  | R. LONDRE      |            | EXHIBIT A   |  |  |  |  |
| 240                                   | DATE:   | SEPTEMBER 2018 |            |   |  |  |  |  |
| 240<br>Feet<br>1 " = 120 '<br>1:1,440 | C.  | TRC            |            | 150 North Patrick Blvd., Suite 180<br>Brookfield, WI 53045<br>Phone: 262.879.1212<br>www.trcsolutions.com |  |  |  |  |
|                                       | FILE NO .:  |                |            | 307032-005.mxd  |  |  |  |  |

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# Wetland and Waterway Delineation Report

August 3, 2018 Revised September 19, 2018

TRC Project No. 307032-0000-0000

## Foxconn – Parcels 409 & 413

Prairie View Drive Mount Pleasant, Wisconsin

#### **Prepared For:**

The Sigma Group, Inc. 1300 West Canal Street Milwaukee, WI 53233

#### **Prepared By:**

Ron Londré, PWS WDNR Assured Wetland Delineator TRC Environmental Corporation 150 N. Patrick Blvd., Suite 180 Brookfield, WI 53045



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| Appendix B: | Antecedent Precipitation Data/WETS Analysis           |
| Appendix C: | Aerial Imagery and FSA Crop Side Review               |
| Appendix D: | Wetland and Waterway Delineation Map                  |
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### **1.0 Introduction**

On behalf of The Sigma Group and Foxconn, TRC Environmental Corporation (TRC) conducted a wetland and waterway delineation within a designated Study Area at Parcels 409 & 413 on Prairie View Drive in the Village of Mount Pleasant, Wisconsin (Figure 1, Appendix A). The Study Area is approximately 6.2 acres and located in part of Section 32, Township 3 North, Range 22 East.

<u>Contact Information:</u> Ken Kaszubowski The Sigma Group, Inc. 1300 West Canal Street Milwaukee, WI 53233 <u>kkaszubowski@thesigmagroup.com</u> 414-940-3964

The purpose of this wetland and waterway delineation was to determine the current location and extent of wetlands and waterways within a designated Study Area for purposes of the Foxconn development. Our study is presented here in terms of methodology, results, and conclusions.

The wetland and waterway delineation field investigation was conducted by TRC scientist Ron Londré, PWS on July 25 and 26, 2018. Ron Londré was the lead investigator and is the author of this report.

#### **1.1** Statement of Qualifications

TRC has extensive experience managing and conducting wetland delineations across the United States. TRC's biologists and ecologists have been trained to properly and consistently apply the methods set forth in the 1987 Corps of Engineers Wetland Delineation Manual and applicable regional supplements. They have direct experience identifying and documenting indicators of hydrophytic vegetation, wetland hydrology, and hydric soil and are experienced in dealing with naturally problematic and disturbed conditions.

**Mr. Ron Londré, PWS,** WDNR Assured Wetland Delineator, is a Senior Ecologist at TRC with over twelve years of professional experience in wetland ecology. He is certified by the Society of Wetland Scientists Professional Certification Program as a Professional Wetland Scientist (PWS # 2436) and is certified by the Ecological Society of America as a Senior Ecologist. His academic studies, from which he earned M.S. and B.S. Degrees in Biological Science, focused on plant community ecology and restoration ecology. Mr. Londré has completed the following wetland delineation technical training workshops provided by UW-La Crosse: Advanced Wetland Delineation; Basic Wetland Delineation; Critical Methods in Wetland Delineation; Hydric Soils; and Grasses, Sedges, and Rushes. Additionally, he has completed the Regional Supplement Seminar and Field Practicum training provided by the Wetland Training Institute and the Wetland Delineation Training Workshop provided by the University of Wisconsin-Milwaukee. Mr. Londré is a part of the Wetland Delineation Professional Assurance Initiative of the Wisconsin Department of Natural Resources (WDNR). This means his work is assured for purposes of State of Wisconsin wetland delineations.



#### **1.2** Agency Regulatory Authority

The wetlands and/or waterways identified 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 Wisconsin Department of Natural Resources (WDNR), and local jurisdiction under county, town, city, or village.

#### 2.0 Methods

This wetland and waterway delineation was conducted in accordance with the guidelines of the 1987 Corps of Engineers Wetland Delineation Manual (Environmental Laboratory, 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0, 2010) and in general accordance with Wisconsin Department of Natural Resources guidelines. National Wetland Indicator status and taxonomic nomenclature is referenced from The National Wetland Plant List (Lichvar et al., 2016). National Wetland Indicator status is based on the Midwest Region. Indicators of hydric soil are based on the Field Indicators of Hydric Soils in the United States guide Version 8.1 (Vasilas et. al., 2017). This report has also been prepared in accordance with the guidelines set forth in the "Guidance for Submittal of Delineation Reports to the St. Paul District Corps of Engineers and the Wisconsin Department of Natural Resources" document issued March 4, 2015.

#### 2.1 Off-Site Review

Prior to conducting fieldwork, several maps were reviewed including the United States Geological Survey (USGS) 7.5' Quadrangle maps, Natural Resource Conservation Service (NRCS) Soil Survey Map, Wisconsin Wetland Inventory (WWI) Map, and aerial photographs. These sources were used to identify areas likely to contain wetlands and waterways.

Precipitation data from approximately 90 days prior to the field investigation were obtained from a weather station near the Study Area and compared with 30-year average precipitation data obtained from a NRCS WETS Table for the County where the Study Area was located to determine if antecedent hydrologic conditions at the time of the site visit were normal, wetter, or drier than the normal range.

An aerial imagery and Farm Service Agency (FSA) crop slide review was conducted for agricultural areas having been farmed within recent years (typically the last 3-5 years). The review was conducted using the guidelines described in the Hydrology Tools for Wetland Determination, Engineering Field Handbook, Chapter 19 (USDA Natural Resources Conservation Service, 1997). Interpretation of the aerial imagery and labels for signatures is also based in part on the guidance provided in the "Guidance for Offsite Hydrology/Wetland Determinations)" U.S. Army Corps of Engineers and Minnesota Board of Water & Soil Resources July 1, 2016 guidance document.

#### 2.2 On-Site Field Investigation

Areas having wetland indicators within the Study Area were evaluated in the field by TRC wetland scientist Ron Londré on July 25 and 26, 2018. Sample points were located in areas exhibiting wetland and upland characteristics to document the presence and/or absence of wetlands and to provide support for the delineated wetland boundaries. At each sample point, data were collected to document



the vegetation and hydrophytic vegetation indicators, soil profile and hydric soil indicators, and wetland hydrology indicators.

Plant species were identified at each sample point and their wetland indicator status; obligate wetland (OBL), facultative wetland (FACW), facultative (FAC), facultative upland (FACU), or upland (UPL); was determined by referencing The National Wetland Plant List (Lichvar et al., 2016). Soil pits were dug to the depth needed to document a hydric soil indicator or confirm the absence of indicators. Soil color was determined using a Munsell soil color chart. The sample point plots and soil pits were evaluated for presence of wetland hydrology indicators.

The wetland boundaries were delineated and staked using wire pin flags and when needed flagging tape. Wetland boundaries were generally determined by distinct to subtle differences in the abundance of hydrophytic vegetation and non-hydrophytic vegetation, presence versus absence of hydric soil indicators, and presence versus absence of wetland hydrology indicators.

#### **3.0 Results**

#### 3.1 Off-Site Review

The County 2-Foot Contour Map (Appendix A, Figure 2) shows elevations ranging from 718 to 736 above sea level. Based on mapped topography runoff water would be expected to flow towards the east.

According to the NRCS Soil Survey map (Appendix A, Figure 3) three mapped soil units are located within the Study Area. The soils mapped within the Study Area are listed on Table 1 below.

| Map Unit<br>Symbol | Soil Series Name                                  | Drainage Class             | Hydric Rating | % of Study<br>Area |
|--------------------|---|----------------------------|---------------|--------------------|
| VaB                | Varna silt loam, 2 to 6 percent slopes            | Well drained               | 0             | 16.16              |
| EtB                | Elliott silty clay loam, 2 to 6<br>percent slopes | Somewhat<br>poorly drained | 5             | 16.55              |
| AtA                | Ashkum silty clay loam, 0 to 2<br>percent slopes  | Poorly drained             | 97            | 67.20              |

#### Table 1 Mapped Soils

The Wisconsin Wetland Inventory (WWI) map (Appendix A, Figure 4) depicts no wetlands within the Study Area.

A review of aerial imagery from 2000, 2005, 2010, 2015, and 2017 (Appendix A, Figures 5-9) shows the Study Area as having a single family residential home, turf grass yard with ornamental tree and shrub plantings surrounding the home, and agricultural fields.

An aerial imagery and Farm Service Agency (FSA) crop slide review was conducted to evaluate areas within the Study Area that have recently been farmed. Aerial images and crop slides ranging from 1980-2017 were examined by Ron Londré on July 25, 2018. All images and slides reviewed, and review forms



are included in Appendix B. Based on a preliminary review, two locations (Area A and Area B) were selected for a more in-depth review.

Area A displayed wetness signatures on none of the years with normal climate conditions preceding the date of the imagery. Additionally, the wetness signature in this area is visible 9% (3 out of 32) of all of the years reviewed regardless of antecedent precipitation.

Area B displayed wetness signatures in 20% (3 of 15) of the years with normal climate conditions preceding the date of the imagery. Additionally, the wetness signature in this area is visible 13% (4 out of 32) of all of the years reviewed regardless of antecedent precipitation.

Prior to conducting the field visit, antecedent precipitation data were analyzed. Data were obtained from a nearby weather station (RACINE (WI) USC00476922) and compared to data from a nearby WETS station (RACINE (WI) USC00476922). The most recent measurable rainfall event prior to the site visit was 0.06 inches, which occurred on July 22, 2018. Precipitation for the 14 days prior to the site visit was 2.05 inches. The precipitation data for the 90 day period prior to the field visit (Appendix C, Table 2) were entered into a WETS analysis worksheet (Appendix C, Table 3) to weight the information from each preceding month to analyze hydrologic conditions. Based on this analysis, the antecedent hydrologic conditions were considered to be above a normal range, suggesting that climatic/hydrologic conditions were not normal for this time of year.

#### 3.2 On-Site Field Investigation

#### 3.2.1 Site Description

The Study Area is comprised of a residential home surrounded by turf grass and ornamental tree and shrub plantings. There are two fields that were historically farmed but appeared to have been allowed to go fallow in 2018, and were not cultivated this season. Ruderal forbs and grasses were established in these fields with 100 percent vegetated ground cover, the majority of which were non-hydrophytes.

There were areas of disturbed (atypical) conditions. The areas with planted turf grass was considered disturbed (atypical) and this was not considered to be a normal circumstance. There were no locations in the planted turf grass suspect of containing wetlands, and therefore no written data collected.

Contrary to the results of the WETS analysis, which suggested wetter than normal conditions, the soil was observed to be dry throughout the Study Area. Soils displayed desiccation cracks and needed to be moistened to determine color. There were no locations where saturation was observed within the upper 24" of the soil surface nor was a water table observed. The field investigation was conducted during the dry season and it was assumed the evaporation and evapotranspiration had occurred at a far greater rate than precipitation in the weeks prior to the site visit.

In general, most of the areas mapped as having Ashkum silty clay loam contained hydric soil indicators. The hydric soils are assumed to be drained hydric soils because the fallow fields and lawn did not contain sufficiently high abundances of hydrophytic vegetation nor were indicators of wetland hydrology present. Other observational evidence to support the hydric soils being drained are strong signatures of a drain tile system in adjacent fields on aerial imagery, a drain tile outlet in the roadside ditch within the Study Area, the general absence of redox features in the upper 10 inches of the soil surface



(agricultural till layer), and some locations that contained redox concretions, which exhibited sharp boundaries and smooth surfaces (indications of relict redox).

#### 3.2.2 Uplands

Upland plant communities observed in the Study Area included lawn and fallow fields with ruderal plants. Sample point SP-1 is located in an area that corresponds with the crop slide review Area A and is also located in the WWI mapped (purple) wetland indicator soil. Data was conducted in this location to document wetland absence. Sample point SP-6 is located where a patch of *Hordeum jubatum* was observed in the fallow field to document wetland absence. The remaining upland sample points discussed below were paired with wetland sample points to document the delineated wetland boundaries.

#### 3.2.3 Wetlands

Two wetlands (W-1 and W-2) were delineated. The delineated wetland boundaries and sample points are shown on a map (Exhibit A) in Appendix D. Data were collected and recorded on Wetland Determination Data Forms at eight sample points to document wetland and upland locations (Appendix E). Photographs were taken at sample points and are appended to each data form.

#### Wetland W-1 (Fresh (Wet) Meadow, Shallow Marsh)

Wetland W-1 is approximately 0.236 acres within the Study Area and consists of Fresh (Wet) Meadow and Shallow Marsh plant communities. Wetland W-1 was contained in a roadside ditch and extended beyond the Study Area in the ditches along Prairie View Drive. Two wetland sample points (SP-3 and SP-5) were taken within W-1 and two upland sample points (SP-2 and SP-4) were taken in adjacent upland areas.

Dominant vegetation at the wetland sample points included *Phalaris arundinacea* (reed canary grass) and *Typha X glauca* (hybrid cattail). Wetland hydrology indicators observed at the wetland sample points included Oxidized Rhizospheres on Living Roots (C3), Geomorphic Position (D1), and a positive FAC-Neutral Test (D5). Hydrology generally appeared to be sustained from runoff water from the surrounding landscape and from the adjacent roadway. Hydric soil indicators observed at the wetland sample points included Depleted Below Dark Surface (A11), Depleted Matrix (F3), and Redox Dark Surface (F6).

The boundary of wetland W-1 was based on the boundary between hydrophytic and non-hydrophytic vegetation and the boundary between the presence and absence of wetland hydrology indicators. Hydric soil indicators generally extended beyond the delineated wetland boundaries but were assumed to be drained hydric soil. Additionally, the distinct form of the ditch was used to help determine the wetland boundary.

#### Wetland W-2 (Fresh (Wet) Meadow)

Wetland W-2 is approximately 0.011 acres within the Study Area and consists of Fresh (Wet) Meadow but also contained a few trees and shrubs along the property line between the fallow field within the Study Area and the adjacent agricultural field. Wetland W-2 appears to have formed in a shallow



depression where water would drain from the adjacent field, be perched above a compact clay layer, and move slowly through the soil. One wetland sample point (SP-8) was taken within W-2 and one upland sample point (SP-7) was taken in an adjacent upland area.

Dominant vegetation at the wetland sample point included *Acer saccharinum* (silver maple), *Rhamnus cathartica* (common buckthorn), and *Poa compressa* (Canada bluegrass). Wetland hydrology indicators observed at the wetland sample point in included Geomorphic Position (D1) and a positive FAC-Neutral Test (D5). Hydrology generally appeared to be sustained from runoff water from the surrounding landscape. Hydric soil indicators observed at the wetland sample point included Redox Dark Surface (F6).

The boundary of wetland W-2 was based on the boundary between hydrophytic and non-hydrophytic vegetation and the boundary between the presence and absence of wetland hydrology indicators. Hydric soil indicators generally extended beyond the delineated wetland boundaries but were assumed to be drained hydric soil.

#### 3.2.4 Other Aquatic Resources

No other aquatic resources were observed within the Study Area.

#### 3.2.5 Professional Opinion on Wetland Susceptibility Per NR 151

Table 4 in Appendix F lists a professional opinion on wetland susceptibility, based on a request by the WDNR, to do so per revised NR 151 guidance (Guidance #3800-2015-02). Please note that the final determination of wetland susceptibility rests with the WDNR.

#### **4.0 Conclusions**

Based on the wetland delineation completed by TRC, two wetlands (W-1 and W-2) were delineated totaling 0.25 acres of wetlands within the 6.2-acre Study Area. No other aquatic resources were observed within the Study Area.

Wetlands and other aquatic resources delineated and identified in this report are a professional finding based on current regulatory guidelines published by the USACE and WDNR at the time the resources were delineated. Unknown and future conditions that affect observations of field indicators or change in interpretation of regulatory policy or methods may modify future findings.

The ultimate authority to determine the location of the wetland boundary and jurisdictional authority over the wetlands and other aquatic resources identified in this report resides with the USACE and WDNR. Decisions made by staff of these regulatory agencies may result in modifications to the location of the wetland or other aquatic resource boundaries shown in this report. In addition, the USACE and WDNR have jurisdictional authority to determine which features are exempt from regulation or non-jurisdictional. If the client proposes to modify a potentially exempt or non-jurisdictional feature, a WDNR Artificial Determination Exemption and USACE Approved Jurisdictional Determination (AJD) would be needed. Furthermore, municipalities, townships and counties may have local zoning authority over certain areas or types of wetlands and waterways. The determination that a wetland or waterway is subject to regulatory jurisdiction is made independently by the agencies.



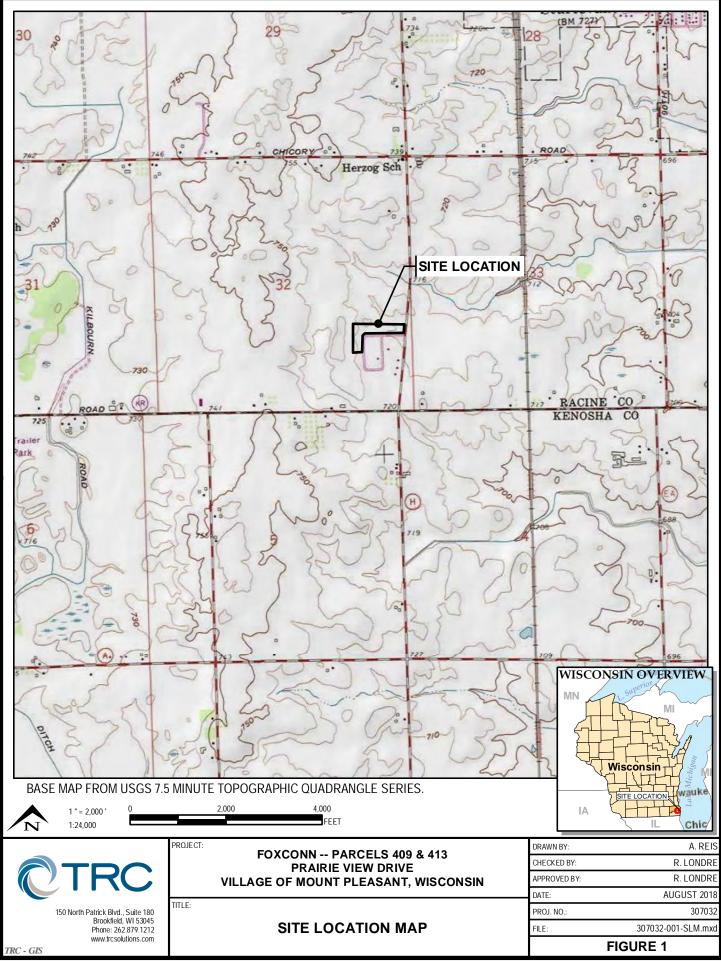
Any activity in a delineated wetland or below the Ordinary High Water Mark of other aquatic resources may require USACE and WDNR permits, and local government permits. If the Client proceeds to change, modify or utilize the property in question without obtaining authorization from the appropriate regulatory agency, it will be done at the Client's own risk and TRC Environmental Corporation shall not be responsible or liable for any resulting damages.



#### **5.0 References**

- Charts, Munsell Soil Color. 1994. "Munsell color." *Macbeth Division of Kollmorgen Instruments Corporation, New Windsor, NY* 12553.
- Eggers, Steve D. and Donald M. Reed. 1997. Wetland Plants and Plant Communities of Minnesota and Wisconsin. 2<sup>nd</sup> Ed. U.S. Army Corps of Engineers, St. Paul District.
- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Lichvar, R.W., M. Butterwick, N.C. Melvin, and W.N. Kirchner. 2016. The National Wetland Plant List: 2016 Update of Wetland Ratings. Phytoneuron 2014-41: 1-42.
- Midwestern Regional Climate Center cli-MATE Database (Web Address: <u>http://mrcc.isws.illinois.edu/CLIMATE/</u>)
- Minnesota Board of Water & Soil Resources (BWSR) and U.S. Army Corps of Engineers, Technical Guidance. July 1, 2016. "Guidance for Offsite Hydrology/Wetland Determinations."
- U.S. Army Corps of Engineers. 2010. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0),* ed. J. S. Wakeley, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-10-16. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- U.S. Army Corps of Engineers. 2015. St. Paul District Regulatory. Special Public Notice. Issued: March 4, 2015. Guidance for Submittal of Delineation Reports to the St. Paul District Army Corps of Engineers and the Wisconsin Department of Natural Resources.
- USDA Natural Resources Conservation Service Web Soil Survey (Web Address: http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx )
- USDA NRCS Climate Analysis by County Web Site (WETS). (Web Address: <u>http://www.wcc.nrcs.usda.gov/climate/wetlands.html</u>)
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Appendix A: Figures



E:\WetlandsGeneral\FlyingEagle\2018\_307032\307032-001-SLM.mxd -- Saved By: AREIS on 8/1/2018, 12:43:14 PM



Feet (Foot US) 803 NAD 1983 Coordinate Syster Map Rotation:

STUDY AREA

2' CONTOUR INTERVAL

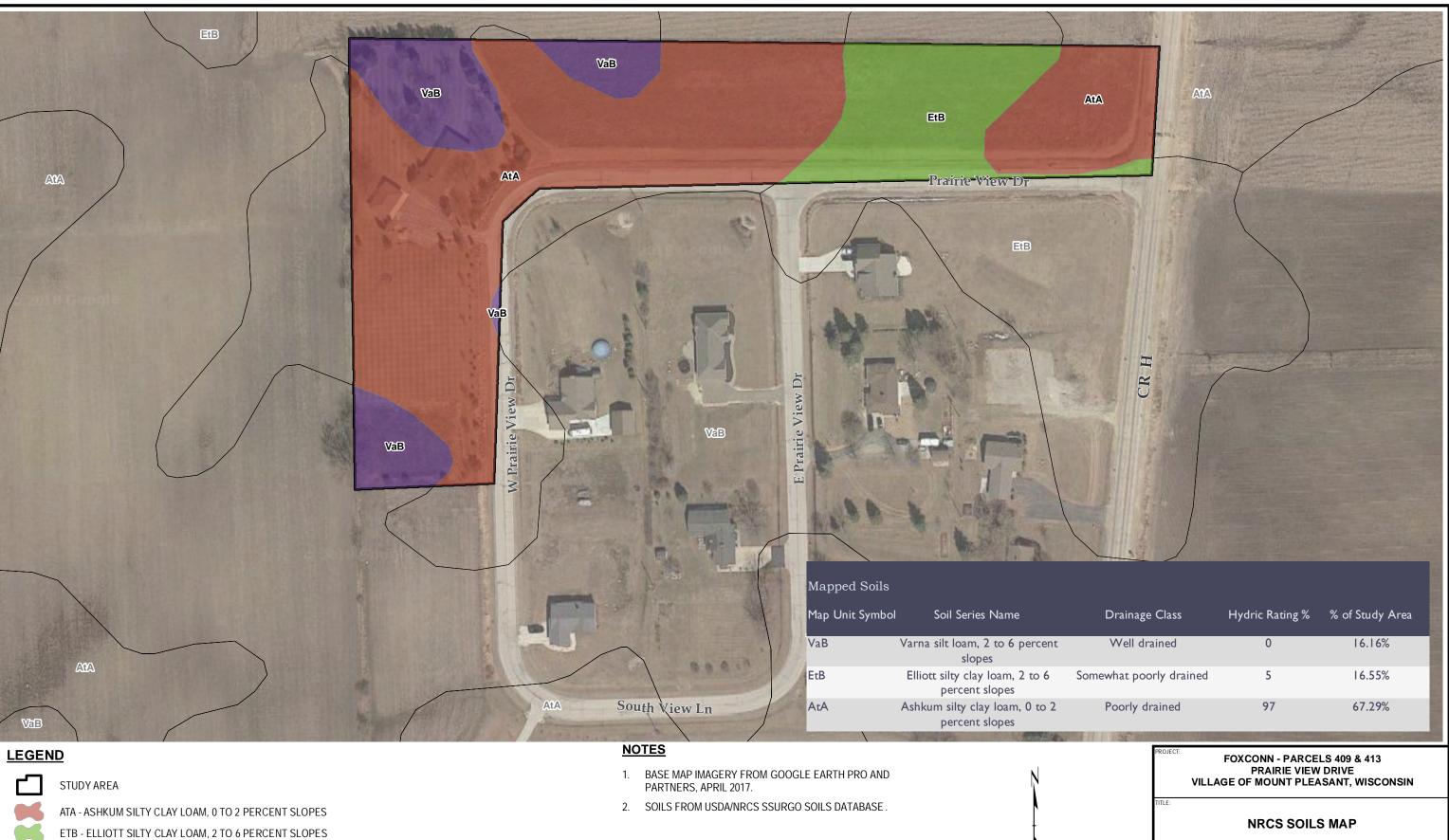
- 1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO AND PARTNERS, APRIL 2017.
- CONTOURS DERIVED FROM RACINE COUNTY, 2010 LIDAR 2. DERIVED 2' CONTOURS.

PRAIRIE VIEW DRIVE VILLAGE OF MOUNT PLEASANT, WISCONSIN **CONTOUR MAP** A. REIS PROJ. NO .: RAWN BY: 307032 R. LONDRE HECKED BY: R. LONDRE PROVED BY FIGURE 2 AUGUST 2018 240 150 North Patrick Blvd., Suite 180 Brookfield, WI 53045 Phone: 262.879.1212 www.trcsolutions.com **CTRC** 

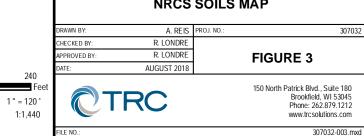
Feet 1 " = 120 ' 1:1,440

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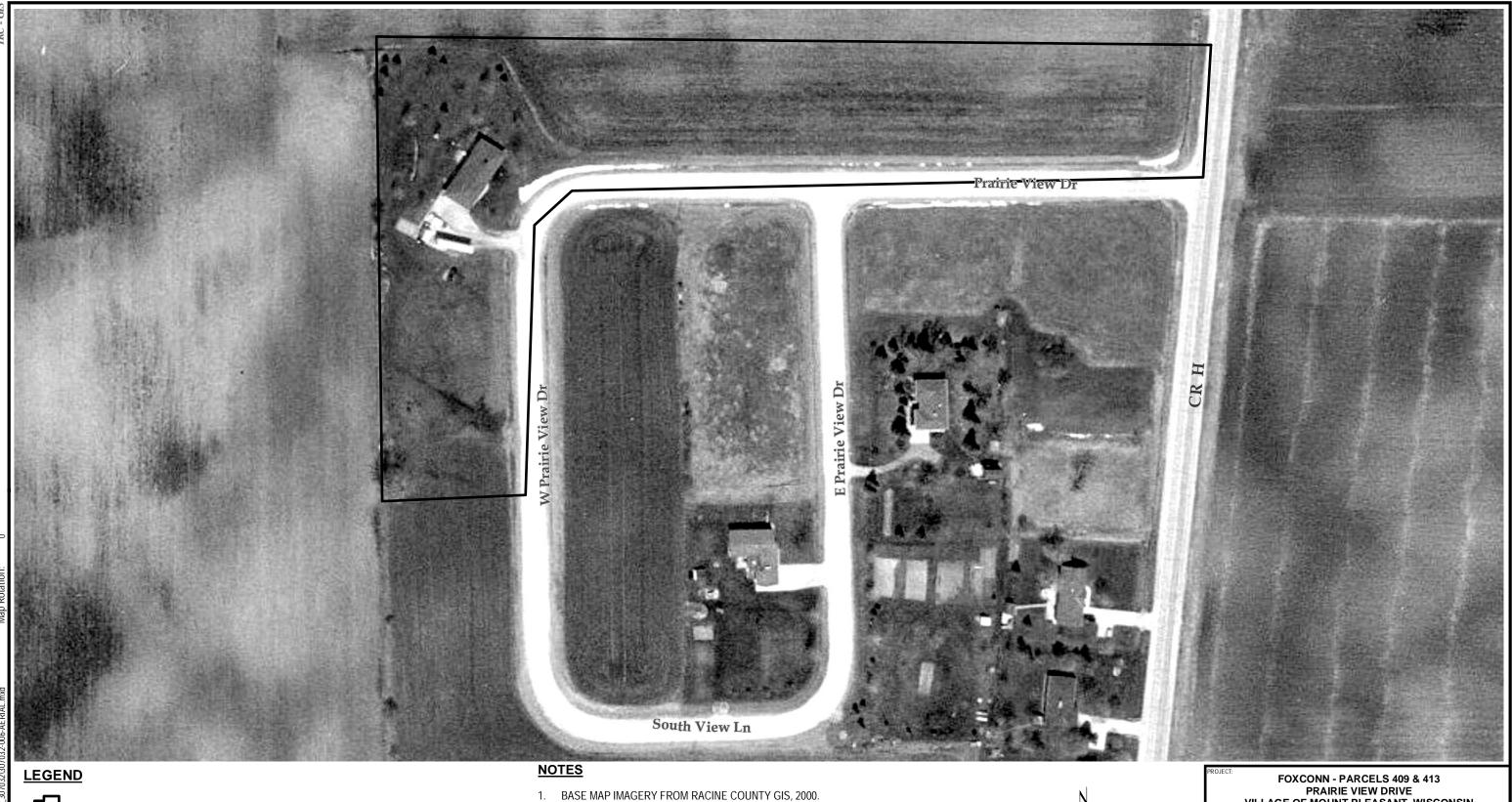
WISCONSIN WETLAND INVENTORY (WWI) WETLANDS

- 1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO AND PARTNERS, APRIL 2017.
- 2. WISCONSIN WETLANDS INVENTORY (WWI) DATA ACQUIRED FROM WISCONSIN DNR, WETLANDS MAPPER.
- 3. NO WWI WITHIN MAP EXTENT.

|                                | FOXCONN - PARCELS 409 & 413<br>PRAIRIE VIEW DRIVE<br>VILLAGE OF MOUNT PLEASANT, WISCONSIN |             |            |   |  |  |  |
|--------------------------------|---|-------------|------------|---|--|--|--|
|                                | TITLE:  |             |            |   |  |  |  |
|                                |   | WISCONSIN W | ETLAND     | INVENTORY   |  |  |  |
|                                | DRAWN BY:   | A. REIS     | PROJ. NO.: | 307032  |  |  |  |
|                                | CHECKED BY:   | R. LONDRE   |            |   |  |  |  |
|                                | APPROVED BY   | : R. LONDRE |            | FIGURE 4  |  |  |  |
| 240                            | DATE:   | AUGUST 2018 |            |   |  |  |  |
| Feet<br>1 " = 120 '<br>1:1,440 | TRC   |             |            | 150 North Patrick Blvd., Suite 180<br>Brookfield, WI 53045<br>Phone: 262,879,1212<br>www.trcsolutions.com |  |  |  |
|                                | FILE NO .:  |             |            | 307032-004.mxd  |  |  |  |

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#### PROJECT: FOXCONN - PARCELS 409 & 413 PRAIRIE VIEW DRIVE VILLAGE OF MOUNT PLEASANT, WISCONSIN TITLE: 2000 AERIAL DRAWN BY: A. REIS DRAWN BY: A. REIS DRAWN BY: R. LONDRE APPROVED BY: R. LONDRE APPROVED BY: R. LONDRE DATE: AUGUST 2018 FIGURE 5 DATE: AUGUST 2018 150 North Patrick Blvd., Suite 180 Brookfield, WI 53045 Phone: 262.879.1212 www.trcsolutions.com

240 Feet 1 " = 120 ' 1:1,440

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307032-006-AERIAL.mxd



1. BASE MAP IMAGERY FROM RACINE COUNTY GIS, 2005 .

STUDY AREA

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#### FOXCONN - PARCELS 409 & 413 PRAIRIE VIEW DRIVE VILLAGE OF MOUNT PLEASANT, WISCONSIN 2005 AERIAL A. REIS PROJ. NO .: RAWN BY: 307032 R. LONDRE HECKED BY: R. LONDRE AUGUST 2018 FIGURE 6 PROVED BY 240 150 North Patrick Blvd., Suite 180 Brookfield, WI 53045 Phone: 262.879.1212 www.trcsolutions.com TRC

Feet 1 " = 120 ' 1:1,440

307032-007-AERIAL.mxd



STUDY AREA

| PROJECT:<br>FOXCONN - PARCELS 409 & 413<br>PRAIRIE VIEW DRIVE<br>VILLAGE OF MOUNT PLEASANT, WISCONSIN<br>TITLE:<br>2010 AERIAL<br>DRAWN BY: A. REIS<br>PROJ. NO.: 307032<br>CHECKED BY: R. LONDRE<br>APPROVED BY: R. LONDRE<br>AUGUST 2018<br>FIGURE 7<br>DATE: AUGUST 2018<br>150 North Patrick Blvd., Suite 180<br>Brookfield, WI 53045<br>Phone: 262,879.1212 |             |            |                      |
|--|-------------|------------|----------------------|
| TITLE:   | 201         | 0 AERI     | AL                   |
| DRAWN BY:  | A. REIS     | PROJ. NO.: | 307032               |
| CHECKED BY:  | R. LONDRE   |            |                      |
| APPROVED BY:   | R. LONDRE   |            | FIGURE 7             |
| DATE:  | AUGUST 2018 |            |                      |
| <b>©</b> т   | RC          |            | Brookfield, WI 53045 |

240 Feet 1 " = 120 ' 1:1,440

FILE NO .:

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B(11"x17") NSI Plot Date: Path:

| FOXCONN - PARCELS 409 & 413<br>PRAIRIE VIEW DRIVE<br>VILLAGE OF MOUNT PLEASANT, WISCONSIN |             |            |   |  |  |  |
|---|-------------|------------|---|--|--|--|
| TITLE:  | 201         | 5 AERI     | AL.   |  |  |  |
| DRAWN BY:   | A. REIS     | PROJ. NO.: | 307032  |  |  |  |
| CHECKED BY:   | R. LONDRE   |            |   |  |  |  |
| APPROVED BY:  | R. LONDRE   |            | FIGURE 8  |  |  |  |
| DATE:   | AUGUST 2018 |            |   |  |  |  |
| ©т  | RC          |            | 150 North Patrick Blvd., Suite 180<br>Brookfield, WI 53045<br>Phone: 262.879.1212<br>www.trcsolutions.com |  |  |  |
| FILE NO.:   |             |            | 307032-009-AERIAL.mx0   |  |  |  |

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С STUDY AREA

1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO AND PARTNERS, APRIL 2017.

| FOXCONN - PARCELS 409 & 413<br>PRAIRIE VIEW DRIVE<br>VILLAGE OF MOUNT PLEASANT, WISCONSIN |             |            |   |  |  |  |
|---|-------------|------------|---|--|--|--|
| TITLE:  | 201         | 7 AERI     | AL.   |  |  |  |
| DRAWN BY:   | A. REIS     | PROJ. NO.: | 307032  |  |  |  |
| CHECKED BY:   | R. LONDRE   |            |   |  |  |  |
| APPROVED BY:  | R. LONDRE   |            | FIGURE 9  |  |  |  |
| DATE:   | AUGUST 2018 |            |   |  |  |  |
| <b>C</b> T  | RC          |            | 150 North Patrick Blvd., Suite 180<br>Brookfield, WI 53045<br>Phone: 262.879.1212<br>www.trcsolutions.com |  |  |  |
| FILE NO .:  |             |            | 307032-010-AERIAL.mxd   |  |  |  |

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Appendix B: Antecedent Precipitation Data / WETS Analysis

| Table 2. Antecedent Precipitation Data |          |           |           |           |          |  |  |
|--|----------|-----------|-----------|-----------|----------|--|--|
| April 27, 2018 -July 25, 2018          |          |           |           |           |          |  |  |
| Precipitation Data Source Location     |          |           |           |           |          |  |  |
| RACINE (WI) USC00476922                |          |           |           |           |          |  |  |
| 3rd Mon                                | th Prior | 2nd Mor   | nth Prior | 1st Mon   | th Prior |  |  |
| Date                                   | PPT      | Date      | РРТ       | Date      | PPT      |  |  |
| 4/27/2018                              | 0.01     | 5/27/2018 | 0         | 6/26/2018 | 0        |  |  |
| 4/28/2018                              | 0.32     | 5/28/2018 | 0         | 6/27/2018 | 2.27     |  |  |
| 4/29/2018                              | 0        | 5/29/2018 | 0         | 6/28/2018 | 0.01     |  |  |
| 4/30/2018                              | 0        | 5/30/2018 | Т         | 6/29/2018 | 0        |  |  |
| 5/1/2018                               | 0        | 5/31/2018 | 0.15      | 6/30/2018 | 0        |  |  |
| 5/2/2018                               | 0        | 6/1/2018  | 0         | 7/1/2018  | 0        |  |  |
| 5/3/2018                               | 0.64     | 6/2/2018  | 0         | 7/2/2018  | 0.06     |  |  |
| 5/4/2018                               | 0.2      | 6/3/2018  | 0.29      | 7/3/2018  | 0        |  |  |
| 5/5/2018                               | 0.01     | 6/4/2018  | 0         | 7/4/2018  | 0        |  |  |
| 5/6/2018                               | Т        | 6/5/2018  | 0.02      | 7/5/2018  | 0.29     |  |  |
| 5/7/2018                               | 0        | 6/6/2018  | 0         | 7/6/2018  | 0        |  |  |
| 5/8/2018                               | 0        | 6/7/2018  | 0         | 7/7/2018  | 0        |  |  |
| 5/9/2018                               | 0.1      | 6/8/2018  | 0         | 7/8/2018  | 0        |  |  |
| 5/10/2018                              | 0.2      | 6/9/2018  | 0.27      | 7/9/2018  | 0        |  |  |
| 5/11/2018                              | 0.19     | 6/10/2018 | 0.31      | 7/10/2018 | 0        |  |  |
| 5/12/2018                              | 0.46     | 6/11/2018 | 0.34      | 7/11/2018 | 0        |  |  |
| 5/13/2018                              | 0.75     | 6/12/2018 | Т         | 7/12/2018 | 0        |  |  |
| 5/14/2018                              | 1.76     | 6/13/2018 | 0         | 7/13/2018 | 0        |  |  |
| 5/15/2018                              | 0.36     | 6/14/2018 | Т         | 7/14/2018 | 0.06     |  |  |
| 5/16/2018                              | 0        | 6/15/2018 | 0         | 7/15/2018 | 0.02     |  |  |
| 5/17/2018                              | 0        | 6/16/2018 | 0.93      | 7/16/2018 | 0        |  |  |
| 5/18/2018                              | 0        | 6/17/2018 | 0.02      | 7/17/2018 | 0.02     |  |  |
| 5/19/2018                              | 0.27     | 6/18/2018 | 0         | 7/18/2018 | 0        |  |  |
| 5/20/2018                              | 0.06     | 6/19/2018 | 1.75      | 7/19/2018 | 0        |  |  |
| 5/21/2018                              | 0.64     | 6/20/2018 | 0.55      | 7/20/2018 | 0.32     |  |  |
| 5/22/2018                              | 0.82     | 6/21/2018 | 0.02      | 7/21/2018 | 1.57     |  |  |
| 5/23/2018                              | 0        | 6/22/2018 | 0.15      | 7/22/2018 | 0.06     |  |  |
| 5/24/2018                              | 0        | 6/23/2018 | 0.13      | 7/23/2018 | Т        |  |  |
| 5/25/2018                              | 0        | 6/24/2018 | 0         | 7/24/2018 | 0        |  |  |
| 5/26/2018                              | 0        | 6/25/2018 | 0         | 7/25/2018 | 0        |  |  |
| Total =                                | 6.79     | Total =   | 4.93      | Total =   | 4.68     |  |  |

PPT - Precipitation in inches

T - Trace

M - Missing



| Tab | le 3. | WETS | Analy | vsis |
|-----|-------|------|-------|------|
|     |       |      |       |      |

Project Site:Parcels 409 & 413Period of interest:May - JulyCounty:Racine

| Long-term rainfall records (from WETS table) |   |                 | Site determination          |                |                    |               |                      |             |          |         |
|--|---|-----------------|-----------------------------|----------------|--------------------|---------------|----------------------|-------------|----------|---------|
|  |   | 3 years in 10   | Normal                      | 3 years in 10  |                    | Site          | Condition            | Condition** | Month    |         |
|  | Month   | less than       | NUIIIai                     | greater than   |                    | Rainfall (in) | Dry/Normal*/Wet      | Value       | Weight   | Product |
| 1st month prior:                             | July  | 2.63            | 3.57                        | 4.20           |                    | 4.68          | Wet                  | 3           | 3        | 9       |
| 2nd month prior:                             | June  | 2.24            | 3.68                        | 4.40           |                    | 4.93          | Wet                  | 3           | 2        | 6       |
| 3rd month prior:                             | May   | 1.92            | 3.23                        | 3.92           |                    | 6.79          | Wet                  | 2           | 1        | 2       |
|  |   | Sum =           | 10.48                       |                | Sum =              | 16.40         |                      |             | Sum*** = | 17      |
| **Condition value: ***If sum is:             |   |                 |                             |                |                    |               | Dry<br>Normal        |             |          |         |
|  | Dry = 1 6 to 9  |                 | then perio                  | od has been o  | drier than normal  |               |                      |             |          |         |
|  |   |                 | then period has been normal |                |                    |               |                      |             |          |         |
|  |   |                 | •                           |                | wetter than normal |               |                      |             |          |         |
| Precipitation da                             | ata source:   | RACINE (WI) U   | SC004769                    | 22             |                    |               |                      |             |          |         |
| WETS Station: RACINE (WI) USC00476922        |   |                 |                             |                |                    |               |                      |             |          |         |
| Reference:                                   | Reference: Donald E. Woodward, ed. 1997. Hydrology Tools for Wetland Determination, Chapter 19. Engineering Field |                 |                             |                |                    |               |                      |             |          |         |
|  | Handbook  | k. U.S. Departm | ent of Agr                  | iculture, Natu | ral Resour         | ces Conserva  | tion Service, Fort W | orth, TX.   |          |         |



Appendix C: Aerial Imagery and FSA Crop Slide Review

#### Hydrology Assessment with Aerial Imagery - Recording Form

Project Name: Parcels 409 & 413 Investigator: Ron Londre Date: 07/25/2018 County: Racine

| Month / | Image Source | Climate                           | Image Interpretation (s) |        |  |  |
|---------|--------------|-----------------------------------|--------------------------|--------|--|--|
| Year    |              | Condition (wet, -<br>dry, normal) | Area A                   | Area B |  |  |
| 04/2017 | Google Earth | W                                 | NSS                      | NV     |  |  |
| 06/2015 | Google Earth | Ν                                 | NSS                      | WS     |  |  |
| 04/2014 | Google Earth | N                                 | NSS                      | NSS    |  |  |
| 07/2011 | Google Earth | D                                 | NV                       | NSS    |  |  |
| 06/2010 | Google Earth | N                                 | NV                       | CS     |  |  |
| 06/2008 | Google Earth | N                                 | NV                       | CS     |  |  |
| 07/2007 | Google Earth | N                                 | NSS                      | NV     |  |  |
| 06/2006 | Google Earth | W                                 | SS                       | NV     |  |  |
| 05/2005 | Google Earth | D                                 | SS                       | CS     |  |  |
| 07/2002 | FSA/USDA     | W                                 | SS                       | NSS    |  |  |
| 06/2001 | FSA/USDA     | N                                 | NSS                      | NSS    |  |  |
| 06/2000 | FSA/USDA     | W                                 | NSS                      | NV     |  |  |
| 06/1999 | FSA/USDA     | N                                 | NSS                      | NSS    |  |  |
| 06/1998 | FSA/USDA     | N                                 | NSS                      | NSS    |  |  |
| 06/1997 | FSA/USDA     | D                                 | NSS                      | NV     |  |  |
| 08/1996 | FSA/USDA     | N                                 | NV                       | NSS    |  |  |
| 07/1995 | FSA/USDA     | N                                 | NV                       | NV     |  |  |
| 07/1994 | FSA/USDA     | D                                 | NSS                      | NV     |  |  |
| 05/1993 | FSA/USDA     | W                                 | NV                       | NSS    |  |  |
| 07/1992 | FSA/USDA     | D                                 | NV                       | NV     |  |  |
| 06/1991 | FSA/USDA     | W                                 | NSS                      | NSS    |  |  |
| 06/1990 | FSA/USDA     | W                                 | NSS                      | NSS    |  |  |
| 07/1989 | FSA/USDA     | D                                 | NSS                      | NV     |  |  |
| 07/1988 | FSA/USDA     | D                                 | NSS                      | NV     |  |  |
| 07/1987 | FSA/USDA     | N                                 | NSS                      | NSS    |  |  |
| 07/1986 | FSA/USDA     | W                                 | NSS                      | NSS    |  |  |
| 07/1985 | FSA/USDA     | D                                 | NSS                      | NSS    |  |  |
| 07/1984 | FSA/USDA     | W                                 | NSS                      | NSS    |  |  |
| 08/1983 | FSA/USDA     | N                                 | NV                       | NV     |  |  |
| 09/1982 | FSA/USDA     | N                                 | NV                       | NV     |  |  |
| 08/1981 | FSA/USDA     | N                                 | NV                       | NV     |  |  |
| 07/1980 | FSA/USDA     | N                                 | NV                       | NV     |  |  |

| Summary Table                         | Area A | Area B |  |
|---------------------------------------|--------|--------|--|
| # of Years of imagery reviewed        | 32     | 32     |  |
| # of years with normal normal PPT     | 15     | 15     |  |
| # of Normal years with wet signatures | 0      | 3      |  |
| % Normal years with wet signatures    | 0%     | 20%    |  |
| # of All years with wet signatures    | 3      | 4      |  |
| % of All years with wet signatures    | 9%     | 13%    |  |

Use key below to label photo interpretations. It is imperative that the reviewer read and understand the guidance associated with the use of these labels. If alternate labels are used indicate in the bax below

| WS - wetland signature          | AP - altered pattern  | Comments: |  |  |  |
|---------------------------------|---|-----------|--|--|--|
| NC - not cropped                | SW - standing water   |           |  |  |  |
| DO - drowned out                | CS - crop stress  |           |  |  |  |
| SS - soil wetness signature     | NV - normal healthy crop  |           |  |  |  |
| NSS - no soil wetness signature | VV- volunteer vegetation (not planted, naturally establishing, e.g. smartweeds, cattail, wild millet) |           |  |  |  |



Year: 2017 (wet year)



Year: 2015 (normal year)



### Prairie View Drive Parcels 409 & 413 — Aerial Images / FSA Crop Slides

Year: 2014 (normal year)



Year: 2011 (dry year)



Project Number 000000

### Prairie View Drive Parcels 409 & 413 — Aerial Images / FSA Crop Slides

Year: 2010 (normal year)



Year: 2008 (normal year)



Year: 2007 (normal year)



Year: 2006 (wet year)



Project Number 000000

Year: 2005 (dry year)



Year: 2002 (wet year)



Year: 2001 (normal year)



Year: 2000 (wet year)



Project Number 000000

### Prairie View Drive Parcels 409 & 413 — Aerial Images / FSA Crop Slides

Year: 1999 (normal year)



Year: 1998 (normal year)



Project Number 000000

Year: 1997 (dry year)



Year: 1996 (normal year)



Year: 1995 (normal year)



Year: 1994 (dry year)



Year: 1993 (wet year)



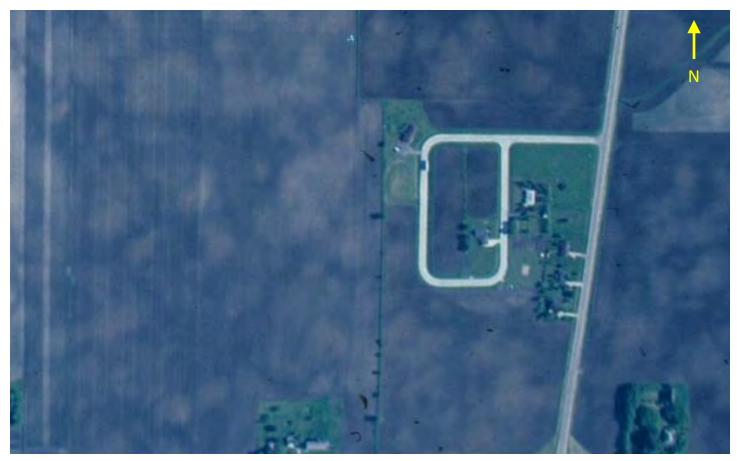
Year: 1992 (dry year)



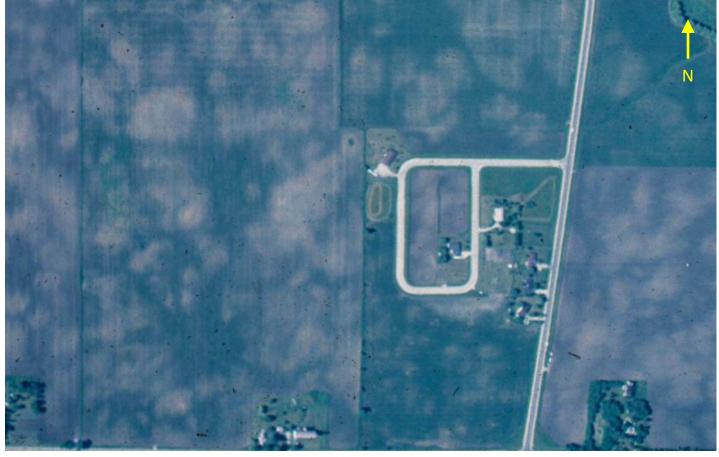
Year: 1991 (wet year)



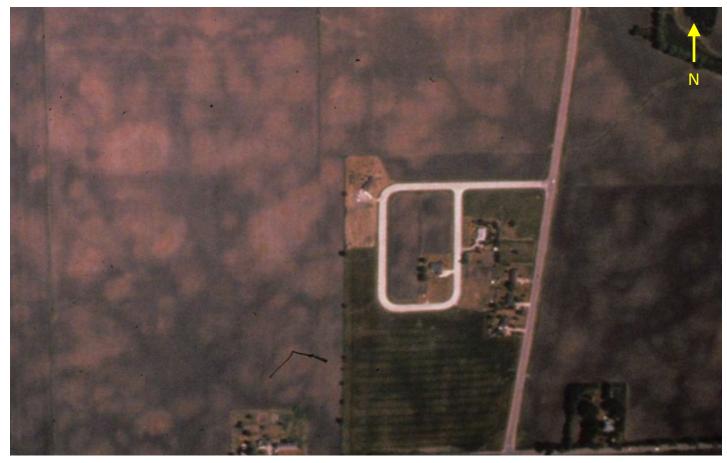
<u>Year:</u> 1990 (wet year)



Year: 1989 (dry year)



Year: 1988 (dry year)



Year: 1987 (normal year)



Year: 1986 (wet year)



Project Number 000000

Year: 1985 (dry year)



Year: 1984 (wet year)



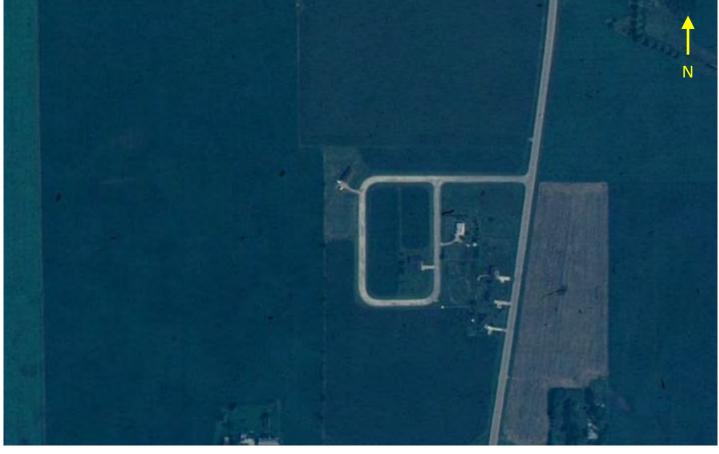
Year: 1983 (normal year)



Year: 1982 (normal year)



Year: 1981 (normal year)



Year: 1980 (normal year)



Project Number 000000

Appendix D: Wetland Delineation Map



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STUDY AREA

UPLAND SAMPLE POINT

WETLAND SAMPLE POINT

TRC DELINEATED WETLAND

|                                       | VI           |                | E VIEW [   |   |
|---------------------------------------|--------------|----------------|------------|---|
|                                       | TITLE:       | WETLAND D      |            | ATION MAP   |
|                                       | DRAWN BY:    | A. REIS        | PROJ. NO.: | 307032  |
|                                       | CHECKED BY:  | R. LONDRE      |            |   |
|                                       | APPROVED BY: | R. LONDRE      |            | EXHIBIT A   |
| 240                                   | DATE:        | SEPTEMBER 2018 |            |   |
| 240<br>Feet<br>1 " = 120 '<br>1:1,440 | C.           | TRC            |            | 150 North Patrick Blvd., Suite 180<br>Brookfield, WI 53045<br>Phone: 262.879.1212<br>www.trcsolutions.com |
|                                       | FILE NO .:   |                |            | 307032-005.mxd  |

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Appendix E: Wetland Determination Data Forms and Site Photographs

| Project/Site: Parcels 409 & 413       | City/County:                               | Mt. Pleasant , Racine              | Sampling Date: 2018-07-26 |
|---------------------------------------|--|------------------------------------|---------------------------|
| Applicant/Owner: Foxconn              |  | State:                             | Sampling Point: SP-01     |
| Investigator(s): Ron Londre           |  | Section, Township, Range: S32      | -T03N-R22E                |
| Landform (hillslope, terrace, etc.):  | Flat plain                                 | Local relief (concave, convex, non | i <b>e):</b> Flat         |
| Slope (%): 0-1 Lat:                   | 42.67391                                   | Long: -87.91614                    | Datum: WGS84              |
| Soil Map Unit Name: Elliott silty cla | ay loam, 2 to 6 percent slopes             |                                    | WWI classification: None  |
| Are climatic/hydrologic conditions of | on the site typical for this time of year? | Yes No 🟒 (If no, explain in Rema   | irks.)                    |
| Are Vegetation, Soil,                 | or Hydrology significantly disturb         | ed? Are "Normal Circumstan         | ces" present? Yes 🟒 No    |
| Are Vegetation, Soil,                 | or Hydrology naturally problemat           | tic? (If needed, explain any a     | nswers in Remarks.)       |
|                                       |  |                                    |                           |

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

| Hydrophytic Vegetation Present?<br>Hydric Soil Present? | Yes No _ <b>_⁄</b><br>Yes No _ <b>_⁄</b> |                                       |          |
|---|--|---------------------------------------|----------|
| Wetland Hydrology Present?                              | Yes No 🟒                                 | Is the Sampled Area within a Wetland? | Yes No 🟒 |
| Remarks:  |  |                                       |          |

Based on the absence of all three parameters, this area is an upland. Sample point located in crop slide Area A. Also located in WWI mapped indicator soil (pink & purple layer) to document wetland absence.

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

| <u>Tree Stratum</u> (Plot size: <u>30' r)</u>                 |     | Dominant<br>Species? | Indicator<br>Status | Dominance Test workshe                            | eet:              |            |            |
|---|-----|----------------------|---------------------|---|-------------------|------------|------------|
| 1   |     |                      | Status              | Number of Dominant Sp<br>Are OBL, FACW, or FAC:   | ecies That        | 0          | (A)        |
| 2   |     |                      |                     | Total Number of Domina<br>Across All Strata:      | nt Species        | 2          | (B)        |
| 4   |     |                      |                     | Percent of Dominant Spe<br>Are OBL, FACW, or FAC: | ecies That        | 0          | (A/B)      |
|   | 0   | = Total Cov          | er                  | Prevalence Index worksh                           | eet:              |            |            |
| Sapling/Shrub Stratum (Plot size: <u>15' r</u> )<br>1.        |     |                      |                     | Total % Cover of                                  | <u>:</u>          | Multiply   | By:        |
| 2.  |     |                      |                     | OBL species                                       | 3                 | x 1 =      | 3          |
| 3   |     |                      |                     | FACW species                                      | 0                 | x 2 =      | 0          |
| 4<br>5  |     |                      |                     | FAC species                                       | 0                 | x 3 =      | 0          |
|   | 0   | = Total Cov          | er                  | FACU species                                      | 140               | x 4 =      | 560        |
| <u>Herb Stratum</u> (Plot size: <u>5' r</u> )                 |     |                      |                     | UPL species                                       | 15                | x 5 =      | 75         |
| 1. Trifolium hybridum   | 60  | Yes                  | FACU                | Column Totala                                     | 158               | -          | (20 (D)    |
| 2. Symphyotrichum pilosum                                     | 30  | Yes                  | FACU                | Column Totals                                     | 158               | (A)        | 638 (B)    |
| 3. Trifolium pratense   | 25  | No                   | FACU                | Prevalence Ind                                    | ex = B/A =        | 4          |            |
| 4. Ambrosia artemisiifolia                                    | 15  | No                   | FACU                | Hydrophytic Vegetation I                          | ndicators:        |            |            |
| 5. Daucus carota  | 15  | No                   | UPL                 |   |                   |            |            |
| 6. Erigeron annuus  | 5   | No                   | FACU                | 1- Rapid Test for Hy                              | drophytic \       | /egetatior | 1          |
| 7. Solidago canadensis  | 5   | No                   | FACU                | 2 - Dominance Test                                | is > 50%          |            |            |
| 8. Symphyotrichum puniceum                                    | 3   | No                   | OBL                 | 3 - Prevalence Inde                               | x is $\leq 3.0^1$ |            |            |
| 9   |     |                      |                     | 4 - Morphological A                               | dantations        | 1 (Provide | supporting |
| 10  |     |                      |                     | data in Remarks or on a                           |                   |            | Supporting |
|   | 158 | = Total Cov          | er                  | Problematic Hydro                                 | ohytic Vege       | tation¹ (E | xplain)    |
| Woody Vine Stratum (Plot size: <u>30' r</u> )                 |     |                      |                     | <sup>1</sup> Indicators of hydric soil            | and wotlon        | d hydrolo  | must bo    |
| 2.  |     |                      |                     | present, unless disturbed                         |                   |            | gy must be |
| <u>ــــــــــــــــــــــــــــــــــــ</u>                   | 0   | = Total Cov          | er                  | Hydrophytic Vegetation I                          | Present?          | /es N      | No _       |
| Remarks: (Include photo numbers here or on a separate sheet.) |     | -                    |                     | 1   |                   |            |            |

SOIL

| Depth  | Matrix   |   | Redo   | <pre>&lt; Feature</pre>  | S  |   |                  |   |  |
|--|--|---|--|--|--|---|------------------|---|--|
| nches)   | Color (moist)  | %   | Color (moist)  | %  | Type <sup>1</sup>  | Loc <sup>2</sup>  |                  | Texture   | Remarks  |
| 0 - 7  | 10YR 2/1   | 100   |  |  |  |   |                  | Clay Loam   |  |
| 7 - 9  | 10YR 5/3   | 68  | 10YR 5/6   | 2  | C  | M   |                  |   |  |
| 7 - 9  | 10YR 2/1   | 30  |  |  |  | . <u> </u>  |                  |   | Mixed  |
| 9 - 13   | 10YR 4/3   | 95  | 10YR 5/6   | 5  | C  | M   |                  | Clay  |  |
| 3 - 24   | 10YR 5/2   | 90  | 10YR 5/6   | 10   | C  | <u>M</u>  |                  |   |  |
| vpe: C =   | Concentration. D = [   | Depletion, RN   | и = Reduced Matrix   | . MS = M   | asked Sa   | nd Grains. <sup>2</sup> Lo  | cation: PL       | . = Pore Lining, M = Matrix.  |  |
|  | Indicators:  |   |  | ,  |  |   |                  | Problematic Hydric Soils <sup>3</sup> :   |  |
|  | osol (A1)  |   | Sandy Gleye  | d Matrix (   | (S4)   |   |                  | iirie Redox (A16)   |  |
| Histi  | c Epipedon (A2)  |   | Sandy Redox  |  |  |   | Dark Surf        |   |  |
| Black  | (Histic (A3)   |   | Stripped Mat   | rix (S6)   |  |   | Iron-Man         | ganese Masses (F12)   |  |
| -  | ogen Sulfide (A4)  |   | Loamy Muck   | -  |  |   | Very Shal        | low Dark Surface (TF12)   |  |
|  | ified Layers (A5)  |   | Loamy Gleye  |  | (F2)   |   | Other (Ex        | plain in Remarks)   |  |
|  | Muck (A10)   | faco (A11)  | Depleted Ma<br>Redox Dark S  |  | -6)  | <sup>3</sup> Indi   | cators of h      | nydrophytic vegetation and  | wetland hydrology must   |
|  | eted Below Dark Sur<br>Dark Surface (A12)  | Iace (ATT)  | Depleted Da  |  |  | prese   | ent, unless      | s disturbed or problematic.   |  |
|  | y Mucky Mineral (S1  | )   | Redox Depre  |  |  |   |                  |   |  |
|  | Mucky Peat or Peat   |   | ·  |  |  |   |                  |   |  |
| estrictive   | Layer (if observed):   |   |  |  |  |   |                  |   |  |
| T  | ype:   |   | None   |  |  | Lludric Coil D  | rocont?          |   | Voc No /   |
| D  | epth (inches):   |   |  |  |  | Hydric Soil P   | resent           |   | Yes No⁄_   |
| he criteri   |  | not met. Som  | ne soil mixing poten   | tially fror  | n histori  | cal agricultura   | l activities     | s.  |  |
| he criteri<br>YDROL<br>/etland H<br>rimary In<br>Surfa<br>High<br>Satu   |  |   | uired; check all that<br>Wate<br>Aqua  | <b>apply)</b><br>er-Stained<br>atic Fauna<br>Aquatic I   | d Leaves<br>a (B13)<br>Plants (B   | (B9)<br>14)   | l activities     | Secondary Indicators (mir<br>Surface Soil Cracks (<br>Drainage Patterns (E<br>Dry-Season Water Ta<br>Crayfish Burrows (C8   | B6)<br>310)<br>able (C2)   |
| he criteri<br>YDROL<br>Vetland H<br>rimary In<br>Satur<br>Satur<br>Wate<br>Sedir<br>Sedir<br>Drift   | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)   |   | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres  | apply)<br>er-Stained<br>titc Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R  | d Leaves<br>a (B13)<br>Plants (B<br>fide Odo<br>osphere:<br>educed l   | (B9)<br>14)<br>r (C1)<br>s on Living Rot<br>ron (C4)  | ots (C3)         | Secondary Indicators (mir<br>Surface Soil Cracks (<br>Drainage Patterns (E<br>Dry-Season Water Ta<br>Crayfish Burrows (C8<br>Saturation Visible or<br>Stunted or Stressed   | B6)<br>310)<br>able (C2)<br>3)<br>A Aerial Imagery (C9)<br>Plants (D1)                 |
| YDROLI<br>Vetland H<br>Irimary In<br>Surfa<br>High<br>Satuı<br>Wate<br>Sedir<br>Sedir<br>Drift<br>Algal  | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)  |   | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Rece  | apply)<br>er-Stained<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R   | d Leaves<br>a (B13)<br>Plants (B<br>fide Odo<br>osphere:<br>leduced I<br>eduction  | (B9)<br>14)<br>r (C1)<br>s on Living Ro<br>ron (C4)<br>in Tilled Soils  | ots (C3)         | Secondary Indicators (mir<br>Surface Soil Cracks (<br>Drainage Patterns (E<br>Dry-Season Water Ta<br>Crayfish Burrows (Ct<br>Saturation Visible or<br>Stunted or Stressed<br>Geomorphic Position  | B6)<br>310)<br>able (C2)<br>3)<br>A Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)       |
| he criteri<br>YDROL<br>/etland H<br>mimary In<br>Satur<br>Batur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)   | of one is req   | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Rece<br>Thin  | apply).<br>er-Stainee<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su   | d Leaves<br>a (B13)<br>Plants (B<br>fide Odo<br>osphere:<br>leduced I<br>eduction<br>rface (C7   | (B9)<br>14)<br>r (C1)<br>s on Living Ro<br>ron (C4)<br>in Tilled Soils<br>)   | ots (C3)         | Secondary Indicators (mir<br>Surface Soil Cracks (<br>Drainage Patterns (E<br>Dry-Season Water Ta<br>Crayfish Burrows (C8<br>Saturation Visible or<br>Stunted or Stressed   | B6)<br>310)<br>able (C2)<br>3)<br>A Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)       |
| he criteri<br>YDROL<br>/etland H<br>rimary In<br>Satur<br>Bigh<br>Satur<br>Wate<br>Sedir<br>Drift<br>Algal<br>Iron<br>Inuno  | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)  | of one is requi   | uired; check all that<br>Wate<br>True<br>True<br>Oxid<br>Oxid<br>Pres<br>Rece<br>Thin<br>[B7)Gaug  | apply)<br>er-Stained<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R   | d Leaves<br>a (B13)<br>Plants (B<br>fide Odo<br>osphere:<br>reduced I<br>eduction<br>rface (C7<br>I Data (D  | (B9)<br>14)<br>r (C1)<br>s on Living Ro<br>ron (C4)<br>in Tilled Soils<br>)<br>9)   | ots (C3)         | Secondary Indicators (mir<br>Surface Soil Cracks (<br>Drainage Patterns (E<br>Dry-Season Water Ta<br>Crayfish Burrows (Ct<br>Saturation Visible or<br>Stunted or Stressed<br>Geomorphic Position  | B6)<br>310)<br>able (C2)<br>3)<br>A Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)       |
| /DROL<br>/etland H<br>   | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conco<br>rvations:                                 | of one is requ<br>ial Imagery (<br>ave Surface (                    | uired; check all that<br>Wate<br>True<br>True<br>Oxid<br>Pres<br>Rece<br>Thin<br>[B7)Gaug<br>[B8)Othe  | apply)<br>er-Stained<br>titc Fauna<br>Aquatic l<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>r (Explain                     | d Leaves<br>a (B13)<br>Plants (B<br>fide Odo<br>osphere:<br>reduced I<br>eduction<br>rface (C7<br>I Data (D<br>n in Rema   | (B9)<br>r (C1)<br>s on Living Ro<br>ron (C4)<br>in Tilled Soils<br>)<br>9)<br>arks)   | ots (C3)         | Secondary Indicators (mir<br>Surface Soil Cracks (<br>Drainage Patterns (E<br>Dry-Season Water Ta<br>Crayfish Burrows (Ct<br>Saturation Visible or<br>Stunted or Stressed<br>Geomorphic Position  | B6)<br>310)<br>able (C2)<br>3)<br>A Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)       |
| /DROL<br>/etland H<br>   | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>rr Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conco  | of one is requ<br>ial Imagery (<br>ave Surface (<br>Ye              | uired; check all that<br>Wate<br>True<br>Hydr<br>Oxid<br>Press<br>Rece<br>Thin<br>[B7)Gaug<br>[B8)Othe<br>SNo  | apply)<br>er-Stained<br>titc Fauna<br>Aquatic l<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>r (Explain                     | d Leaves<br>a (B13)<br>Plants (B<br>fide Odo<br>osphere:<br>reduced I<br>eduction<br>rface (C7<br>I Data (D  | (B9)<br>r (C1)<br>s on Living Ro<br>ron (C4)<br>in Tilled Soils<br>)<br>9)<br>arks)   | ots (C3)         | Secondary Indicators (mir<br>Surface Soil Cracks (<br>Drainage Patterns (E<br>Dry-Season Water Ta<br>Crayfish Burrows (Ct<br>Saturation Visible or<br>Stunted or Stressed<br>Geomorphic Position  | B6)<br>310)<br>able (C2)<br>3)<br>A Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)       |
| /DROLU<br>/etland H<br>imary In<br>Surfa<br>High<br>Satur<br>Wate<br>Sedir<br>Drift<br>Algal<br>Iron I<br>Inum<br>Spars<br>eld Obse<br>urface W  | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conco<br>rvations:                                 | of one is requ<br>ial Imagery (<br>ave Surface (<br>Ye              | uired; check all that<br>Wate<br>True<br>True<br>Oxid<br>Pres<br>Rece<br>Thin<br>[B7)Gaug<br>[B8)Othe  | apply)<br>er-Stainee<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>r (Explain<br>De               | d Leaves<br>a (B13)<br>Plants (B<br>fide Odo<br>osphere:<br>reduced I<br>eduction<br>rface (C7<br>I Data (D<br>n in Rema   | (B9)<br>14)<br>s on Living Roo<br>ron (C4)<br>in Tilled Soils<br>)<br>9)<br>arks)<br>es):                                   | ots (C3)         | Secondary Indicators (mir<br>Surface Soil Cracks (<br>Drainage Patterns (E<br>Dry-Season Water Ta<br>Crayfish Burrows (Ct<br>Saturation Visible or<br>Stunted or Stressed<br>Geomorphic Position  | B6)<br>310)<br>able (C2)<br>3)<br>A Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)<br>5) |
| Provident and the criterian of the crite   | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conco<br>rvations:<br>ater Present?                | of one is requ<br>ial Imagery (<br>ave Surface (<br>Ye              | uired; check all that<br>Wate<br>True<br>Hydr<br>Oxid<br>Press<br>Rece<br>Thin<br>[B7)Gaug<br>[B8)Othe<br>SNo  | apply)<br>er-Stained<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>rr (Explain<br>De<br>De        | d Leaves<br>a (B13)<br>Plants (B<br>fide Odo<br>ospheres<br>teduced I<br>eduction<br>rface (C7<br>I Data (D<br>n in Rem.   | (B9)<br>14)<br>r (C1)<br>s on Living Roo<br>ron (C4)<br>in Tilled Soils<br>)<br>9)<br>arks)<br>es):<br>es):                 | ots (C3)         | Secondary Indicators (mir<br>Surface Soil Cracks (<br>Drainage Patterns (E<br>Dry-Season Water Ta<br>Crayfish Burrows (C8<br>Saturation Visible or<br>Stunted or Stressed<br>Geomorphic Position<br>FAC-Neutral Test (D5                            | B6)<br>310)<br>able (C2)<br>3)<br>A Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)<br>5) |
| A Contract of the criteri     A Contract of the criteria  | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conce<br>rvations:<br>ater Present?<br>le Present? | of one is requ<br>ial Imagery (<br>ave Surface (<br>Ye              | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Thin<br>(B7)Gaug<br>(B8)Othe<br>sNo<br>rsNo   | apply)<br>er-Stained<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>rr (Explain<br>De<br>De        | d Leaves<br>a (B13)<br>Plants (B<br>fide Odo<br>osphere:<br>educed I<br>eduction<br>rface (C7<br>I Data (D<br>n in Rem<br>pth (inch<br>pth (inch                             | (B9)<br>14)<br>r (C1)<br>s on Living Roo<br>ron (C4)<br>in Tilled Soils<br>)<br>9)<br>arks)<br>es):<br>es):                 | ots (C3)         | Secondary Indicators (mir<br>Surface Soil Cracks (<br>Drainage Patterns (E<br>Dry-Season Water Ta<br>Crayfish Burrows (C8<br>Saturation Visible or<br>Stunted or Stressed<br>Geomorphic Position<br>FAC-Neutral Test (D5                            | B6)<br>310)<br>able (C2)<br>3)<br>A Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)<br>5) |
| The criteri<br>YDROLU<br>Vetland H<br>Trimary In<br>Satur<br>Satur<br>Satur<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir<br>Sedir   | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>rr Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conce<br>rvations:<br>ater Present?<br>IP Present? | of one is required ial Imagery (<br>ave Surface (<br>Ye<br>Ye<br>Ye | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Thin<br>(B7)Gaug<br>(B8)Othe<br>sNo<br>rsNo<br>rsNo<br>rsNo<br>rsNo<br>rsNo<br>rsNo<br>rsNo<br>rsNo | apply)<br>er-Stained<br>Aquatic Fauna<br>Aquatic Fauna<br>Ized Rhiz<br>ence of R<br>mt Iron R<br>Muck Su<br>ge or Wel<br>rr (Explain<br>De<br>De<br>De<br>De | d Leaves<br>a (B13)<br>Plants (B<br>fide Odo<br>osphere:<br>leduced l<br>eduction<br>rface (C7<br>l Data (D<br>n in Rem.<br>pth (inch<br>pth (inch<br>pth (inch<br>pth (inch | (B9)<br>14)<br>r (C1)<br>s on Living Ro-<br>ron (C4)<br>in Tilled Soils<br>)<br>9)<br>arks)<br>es):<br>es):<br>es):<br>arks | ots (C3)<br>(C6) | Secondary Indicators (mir<br>Surface Soil Cracks (<br>Drainage Patterns (E<br>Dry-Season Water Ta<br>Crayfish Burrows (C8<br>Saturation Visible or<br>Stunted or Stressed<br>Geomorphic Position<br>FAC-Neutral Test (D5<br>Wetland Hydrology Prese | B6)<br>310)<br>able (C2)<br>3)<br>A Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)<br>5) |

Photo of Sample Plot



East

| Project/Site: Parcels 409 & 413                                     | City/County: Mt. Pleasant, Racine                | Sampling Date: 2018-07-26   |
|---|--|-----------------------------|
| Applicant/Owner: Foxconn  | State:   | Sampling Point: SP-02       |
| Investigator(s): Ron Londre   | Section, Township, Range                         | e: S32-T03N-R22E            |
| Landform (hillslope, terrace, etc.): Flat plain                     | Local relief (concave, conve                     | x, none): Flat              |
| Slope (%):         0-1         Lat:         42.67372                | Long: -87.91752                                  | Datum: WGS84                |
| Soil Map Unit Name: Ashkum silty clay loam, 0 to 2 percent s        | lopes  | WWI classification: None    |
| Are climatic/hydrologic conditions on the site typical for this til | i <b>me of year?</b> Yes No 🟒 (If no, explain ir | n Remarks.)                 |
| Are Vegetation, Soil, or Hydrology sign                             | nificantly disturbed? Are "Normal Circu          | mstances" present? Yes 🟒 No |
| Are Vegetation, Soil, or Hydrology natu                             | urally problematic? (If needed, explain          | any answers in Remarks.)    |

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

| Hydrophytic Vegetation Present? | Yes No 🟒   |                                       |          |
|---------------------------------|------------|---------------------------------------|----------|
| Hydric Soil Present?            | Yes 🖌 No _ |                                       |          |
| Wetland Hydrology Present?      | Yes No 🟒   | Is the Sampled Area within a Wetland? | Yes No 🟒 |
| RReemmaarrkkss::                |            |                                       |          |

Based on the absence of two of three parameters, this area is an upland.

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

| <u>Tree Stratum</u> (Plot size: <u>30' r)</u>              |      | Dominant<br>Species? | Indicator<br>Status | Dominance Test worksheet:  |                         |             |
|--|------|----------------------|---------------------|--|-------------------------|-------------|
| 1  |      |                      | Status              | Number of Dominant Species That<br>Are OBL, FACW, or FAC:                                | 0                       | (A)         |
| 2  |      |                      |                     | Total Number of Dominant Species   |                         |             |
| 3.   |      |                      |                     | Across All Strata:   | 2                       | (B)         |
| 4<br>5   |      | ·                    |                     | Percent of Dominant Species That<br>Are OBL, FACW, or FAC:                               | 0                       | (A/B)       |
|  | 0    | = Total Cov          | er                  | Prevalence Index worksheet:  |                         |             |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15' r</u> )    |      |                      |                     | Tatal N. Causa af  | N. 4 14 <sup>1</sup>    | <b>D</b>    |
| 1.   |      |                      |                     | <u>Total % Cover of:</u>   | <u>Multiply</u>         | <u>ву:</u>  |
| 2  |      | <u> </u>             |                     | OBL species 0  | x 1 =                   | 0           |
| 3  |      | ·                    |                     | FACW species 10  | x 2 =                   | 20          |
| 5.   |      | ·                    |                     | FAC species 0  | x 3 =                   | 0           |
|  | 0    | = Total Cov          | er                  | FACU species 93  | x 4 =                   | 372         |
| <u>Herb Stratum</u> (Plot size: <u>5' r</u> )              |      |                      |                     | UPL species 50   | x 5 =                   | 250         |
| 1. Daucus carota   | 50   | Yes                  | UPL                 | Column Totals 153  | (A)                     | 642 (B)     |
| 2. Trifolium pratense                                      | 40   | Yes                  | FACU                |  | -                       | 042 (D)     |
| 3. Bromus inermis  | 30   | No                   | FACU                | Prevalence Index = B/A =   | 4.2                     |             |
| 4. Asclepias syriaca                                       | 5    | No                   | FACU                | Hydrophytic Vegetation Indicators:   |                         |             |
| 5. <i>Ambrosia artemisiifolia</i>                          | 5    | No                   | FACU                | 1- Rapid Test for Hydrophytic  | logotation              |             |
| 6. <i>Cirsium arvense</i>                                  | 5    | No                   | FACU                |  | vegetation              | I           |
| 7. Melilotus officinalis                                   | 5    | No                   | FACU                | 2 - Dominance Test is > 50%  |                         |             |
| 8. <i>Phalaris arundinacea</i>                             | 5    | No                   | FACW                | 3 - Prevalence Index is ≤ $3.0^1$  |                         |             |
| 9. <i>Vitis riparia</i>                                    | 5    | No                   | FACW                | 4 - Morphological Adaptations  | 1 (Provido              | supporting  |
| 10. <i>Erigeron annuus</i>                                 | 3    | No                   | FACU                | data in Remarks or on a separate s   |                         | supporting  |
|  | 153  | = Total Cov          | er                  | Problematic Hydrophytic Vege   | etation <sup>1</sup> (E | (nlain)     |
| <u>Woody Vine Stratum</u> (Plot size: <u>30' r</u> )       |      |                      |                     |  |                         |             |
| 1  |      | ·                    |                     | <sup>1</sup> Indicators of hydric soil and wetlar<br>present, unless disturbed or proble |                         | gy must be  |
| 2  | 0    | = Total Cov          | er                  | Hydrophytic Vegetation Present?  | Yes N                   | 10 <b>_</b> |
|  |      | -                    |                     |  |                         |             |
| Remarks: (Include photo numbers here or on a separate shee | :T.) |                      |                     |  |                         |             |

The criterion for hydrophytic vegetation is not met. Fallow field.

SOIL

| Depth<br>inches)  | Color (moist)   | %  | Redox<br>Color (moist)   | %  | Type <sup>1</sup>  | Loc <sup>2</sup>  | Texture   | Remarks   |
|---|---|--|--|--|--|---|---|---|
| ) - 11  | 10YR 2/1  | 100  |  | 70   | туре   |   | Clay Loam   | Refilding   |
| 1 - 14  | 10YR 2/1  | 98   | 10YR 5/8   | 2  | С  |   | Clay Loam   |   |
| 4 - 24  | 10YR 5/2  | 95   | 10YR 5/6   |  | C  |   | Clay  | ·   |
| <u>+ - 2+</u>   | 1011(3/2  |  | 1011(3/0   |  |  |   | Cidy  |   |
| Гуре: С =   | Concentration, D = D  | epletion, R  | M = Reduced Matrix   | , MS = M   | asked Sa   | nd Grains. <sup>2</sup> Loc   | ation: PL = Pore Lining, M = Ma   |   |
| ydric Soi   | l Indicators:   |  |  |  |  | Indicat   | ors for Problematic Hydric Soil   | 5 <sup>3</sup> :  |
| Histo   | osol (A1)   |  | Sandy Gleyed   | d Matrix (   | (S4)   | C   | oast Prairie Redox (A16)  |   |
| Histi   | c Epipedon (A2)   |  | Sandy Redox  | (S5)   |  | D   | ark Surface (S7)  |   |
| Black   | k Histic (A3)   |  | Stripped Mat   |  |  |   | on-Manganese Masses (F12)   |   |
| -   | ogen Sulfide (A4)   |  | Loamy Muck   |  |  | V   | ery Shallow Dark Surface (TF12  | )   |
|   | ified Layers (A5)   |  | Loamy Gleye  |  | (F2)   | C   | ther (Explain in Remarks)   |   |
|   | Muck (A10)  | aca (A11)  | Depleted Ma  |  | -  | <sup>3</sup> Indica   | tors of hydrophytic vegetation  | and wetland hydrology must b  |
|   | eted Below Dark Surf<br>< Dark Surface (A12)  | ace (ATT)  | Redox Dark S<br>Depleted Dar   | •  | ,  | preser  | t, unless disturbed or problem  | atic.   |
|   | ly Mucky Mineral (S1)   |  | Redox Depre  |  |  |   |   |   |
|   | Mucky Peat or Peat (  |  |  | 5515115 (1   | ~)   |   |   |   |
|   | Layer (if observed):  |  |  |  |  | 1   |   |   |
|   | ype:  |  | None   |  |  |   |   |   |
|   | epth (inches):  |  | None   | _  |  | Hydric Soil Pre   | sent?   | Yes 🟒 No  |
| emarks:<br>he criteri<br>YDROL  | on for hydric soil is m   | net.   |  |  |  |   |   |   |
| emarks:<br>he criteri<br>YDROL<br>/etland H<br>mimary In<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Drift<br>Algal   | on for hydric soil is m<br>OGY<br>lydrology Indicators:<br>ldicators (minimum o<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)   |  | Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Preso  | er-Stained<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R   | Plants (B<br>lfide Odo<br>cosphere<br>Reduced l<br>reduction   | 14)<br>r (C1)<br>s on Living Root<br>Iron (C4)<br>i in Tilled Soils (1  | Surface Soil Cra<br>Drainage Patter<br>Dry-Season Wat<br>Crayfish Burrow<br>Solution Visibl<br>Stunted or Stres<br>Geomorphic Pos   | ns (B10)<br>er Table (C2)<br>s (C8)<br>e on Aerial Imagery (C9)<br>sed Plants (D1)<br>sition (D2)                       |
| emarks:<br>he criteri<br>YDROL<br>/etland H<br>rimary In<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Iron<br>Linn<br>Inn   | on for hydric soil is m<br>OGY<br>lydrology Indicators:<br>idicators (minimum o<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)  | f one is req<br>al Imagery   | Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Preso<br>Rece<br>Thin<br>(B7)Gaug  | er-Stained<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel                                       | a (B13)<br>Plants (B<br>lfide Odo<br>cosphere<br>Reduced l<br>reduction  | 14)<br>r (C1)<br>s on Living Root<br>ron (C4)<br>i in Tilled Soils (<br>)<br>9)   | Surface Soil Cra<br>Drainage Patter<br>Dry-Season Wat<br>Crayfish Burrow<br>Saturation Visibl<br>Stunted or Stres   | cks (B6)<br>ns (B10)<br>er Table (C2)<br>s (C8)<br>e on Aerial Imagery (C9)<br>sed Plants (D1)<br>sition (D2)           |
| emarks:<br>he criteri<br>YDROL<br>/etland H<br>rimary In<br>Satu<br>Satu<br>Wate<br>Satu<br>Uron<br>Linon<br>Inon<br>Spar<br>Satu   | on for hydric soil is m<br>OGY<br>Aydrology Indicators:<br>dicators (minimum o<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca   | <u>f one is rec</u><br>al Imagery<br>ve Surface                        | Wate<br>Aqua<br>True<br>Oxid<br>Oxid<br>Presu<br>Rece<br>Thin<br>(B7)Gaug<br>(B8)Othe  | r-Stained<br>attic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>rr (Explain                        | a (B13)<br>Plants (B<br>fide Odo<br>cosphere<br>Reduced l<br>reduction<br>rface (C7<br>l Data (D<br>n in Rem   | 14)<br>r (C1)<br>s on Living Root<br>ron (C4)<br>i in Tilled Soils (<br>')<br>9)<br>arks)   | Surface Soil Cra<br>Drainage Patter<br>Dry-Season Wat<br>Crayfish Burrow<br>Solution Visibl<br>Stunted or Stres<br>Geomorphic Pos   | cks (B6)<br>ns (B10)<br>er Table (C2)<br>s (C8)<br>e on Aerial Imagery (C9)<br>sed Plants (D1)<br>sition (D2)           |
| emarks:<br>he criteri<br>YDROL<br>Vetland H<br>rimary In<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Iron<br>Inun<br>Spar<br>ield Obse   | on for hydric soil is m<br>OGY<br>Hydrology Indicators:<br>Idicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca   | f one is req<br>al Imagery<br>ve Surface<br>Ye                         | Wate<br>Aqua<br>True<br>Oxid<br>Preso<br>Rece<br>Thin<br>(B7)Gaug<br>(B8)Othe  | r-Stained<br>attic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>rr (Explain                        | a (B13)<br>Plants (B<br>lfide Odo<br>cosphere<br>Reduced I<br>reduction<br>rface (C7<br>Il Data (D   | 14)<br>r (C1)<br>s on Living Root<br>ron (C4)<br>i in Tilled Soils (<br>')<br>9)<br>arks)   | Surface Soil Cra<br>Drainage Patter<br>Dry-Season Wat<br>Crayfish Burrow<br>S (C3) Saturation Visibi<br>Stunted or Stres<br>C6) Geomorphic Pos                                  | cks (B6)<br>ns (B10)<br>er Table (C2)<br>s (C8)<br>e on Aerial Imagery (C9)<br>sed Plants (D1)<br>sition (D2)           |
| emarks:<br>he criteri<br>YDROL<br>Vetland H<br>rimary In<br>Satur<br>Satur<br>Vate<br>Sedir<br>Orift<br>Algal<br>Iron<br>Inun<br>Spar<br>ield Obse<br>urface W  | on for hydric soil is m<br>OGY<br>Aydrology Indicators:<br>dicators (minimum o<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca   | f one is req<br>al Imagery<br>ve Surface<br>Ye                         | Wate<br>Aqua<br>True<br>Oxid<br>Oxid<br>Presu<br>Rece<br>Thin<br>(B7)Gaug<br>(B8)Othe  | rr-Stained<br>titic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>r (Explain<br>De                  | a (B13)<br>Plants (B<br>fide Odo<br>cosphere<br>Reduced l<br>reduction<br>rface (C7<br>l Data (D<br>n in Rem   | 14)<br>r (C1)<br>s on Living Root<br>in Tilled Soils (<br>)<br>9)<br>arks)<br>es):  | Surface Soil Cra<br>Drainage Patter<br>Dry-Season Wat<br>Crayfish Burrow<br>S (C3) Saturation Visibi<br>Stunted or Stres<br>C6) Geomorphic Pos                                  | cks (B6)<br>ns (B10)<br>er Table (C2)<br>s (C8)<br>e on Aerial Imagery (C9)<br>sed Plants (D1)<br>sition (D2)<br>t (D5) |
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| emarks:<br>he criteri<br>/etland H<br>rimary In<br>Surfa<br>Satu<br>Satu<br>Sedir<br>Orift<br>Algal<br>Iron<br>Iron<br>Inun<br>Spar<br>ield Obse<br>urface W<br>/ater Tab<br>aturation  | on for hydric soil is m<br>OGY<br>hydrology Indicators:<br>ndicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca<br>ervations:<br>ater Present?<br>le Present? | f one is req<br>al Imagery<br>ve Surface<br>Ye<br>Ye                   | Wate<br>Aqua<br>True<br>Oxid<br>Preso<br>Rece<br>Thin<br>(B7)Gaug<br>(B8)Othe  | r-Stainee<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>rr (Explain<br>De<br>De             | a (B13)<br>Plants (B<br>lfide Odo<br>cosphere<br>Reduced l<br>reduction<br>rface (C7<br>l Data (D<br>n in Rem<br>pth (inch   | 14)<br>r (C1)<br>s on Living Root<br>ron (C4)<br>in Tilled Soils (<br>)<br>9)<br>arks)<br>es):<br>es):                                | Surface Soil Crainage Patter     Drainage Patter     Dry-Season Wat     Crayfish Burrow     Saturation Visibl     Stunted or Stres     Geomorphic Poi     FAC-Neutral Tes       | cks (B6)<br>ns (B10)<br>er Table (C2)<br>s (C8)<br>e on Aerial Imagery (C9)<br>sed Plants (D1)<br>sition (D2)<br>t (D5) |
| temarks:<br>he criteri<br>YDROL<br>Vetland H<br>rimary In<br>Satur<br>Satur<br>Satur<br>Satur<br>Vater<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur  | on for hydric soil is m<br>OGY<br>hydrology Indicators:<br>ndicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca<br>ervations:<br>fater Present?<br>h Present? | f one is req<br>al Imagery<br>ve Surface<br>Ye<br>Ye<br>Ye<br>Ye<br>Ya | Wate      Aqua      True      No      No       25    No      No       25    No       25    No       25    No       25    No       25    No | er-Stainee<br>atic Faum<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>rr (Explain<br>De<br>De<br>De<br>De | a (B13)<br>Plants (B<br>Ifide Odo<br>cosphere<br>Reduced I<br>reduction<br>rface (C7<br>I Data (D<br>n in Rem<br>pth (inch<br>pth (inch<br>pth (inch<br>, <b>previou</b> : | 14)<br>r (C1)<br>s on Living Root<br>ron (C4)<br>in Tilled Soils (<br>')<br>9)<br>arks)<br>es):<br>es):<br>es):<br>s inspections), in | Surface Soil Crainage Patter     Drainage Patter     Dry-Season Wat     Crayfish Burrow     Saturation Visibl     Stunted or Stres     FAC-Neutral Tes     Wetland Hydrology Pr | cks (B6)<br>ns (B10)<br>er Table (C2)<br>s (C8)<br>e on Aerial Imagery (C9)<br>sed Plants (D1)<br>sition (D2)<br>t (D5) |

Photo of Sample Plot



South

| Project/Site: Parcels  | s 409 & 413      | City/County:                              | Mt. Pleasant, Racine             | Sampling Date: 2018-07-26 |
|------------------------|------------------|---|----------------------------------|---------------------------|
| Applicant/Owner:       | Foxconn          |   | State:                           | Sampling Point: SP-03     |
| Investigator(s): R     | on Londre        |   | Section, Township, Range:        | 532-T03N-R22E             |
| Landform (hillslope, t | terrace, etc.):  | Toe slope, ditch                          | Local relief (concave, convex, r | none): Concave            |
| Slope (%): 1-3         | Lat:             | 42.67366                                  | Long: -87.91749                  | Datum: WGS84              |
| Soil Map Unit Name:    | Ashkum silty o   | clay loam, 0 to 2 percent slopes          |                                  | WWI classification: None  |
| Are climatic/hydrolog  | gic conditions o | n the site typical for this time of year? | Yes No 🟒 (If no, explain in Re   | marks.)                   |
| Are Vegetation,        | Soil,            | or Hydrology significantly disturb        | ed? Are "Normal Circums          | ances" present? Yes 🖌 No  |
| Are Vegetation,        | Soil,            | or Hydrology naturally problemat          | tic? (If needed, explain an      | y answers in Remarks.)    |

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

| Hydrophytic Vegetation Present? | Yes 🖌 No |                                       |          |
|---------------------------------|----------|---------------------------------------|----------|
| Hydric Soil Present?            | Yes 🟒 No |                                       |          |
| Wetland Hydrology Present?      | Yes 🖌 No | Is the Sampled Area within a Wetland? | Yes 🖌 No |
| RReemmaarrkkss::                |          |                                       |          |

Based on the presence of all three parameters, this area is a wetland. Sample point is located in a roadside ditch. Wetland ID: W-1

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

| <u>Tree Stratum</u> (Plot size: <u>4' x 700')</u>                |          | Dominant<br>Species? | Indicator<br>Status | Dominance Test workshee                            | et:         |                        |            |
|--|----------|----------------------|---------------------|--|-------------|------------------------|------------|
| 1  | 70 COVCI | - Species:           |                     | Number of Dominant Spe<br>Are OBL, FACW, or FAC:   | cies That   | 1                      | (A)        |
| 2  |          |                      |                     | Total Number of Dominar                            | nt Species  | 1                      | (D)        |
| 3.   |          |                      |                     | Across All Strata:                                 |             | 1                      | (B)        |
| 4<br>5   |          |                      |                     | Percent of Dominant Spec<br>Are OBL, FACW, or FAC: | cies That   | 100                    | (A/B)      |
| Carlin - (Church Church and IDlah since 41 at 771)               | 0        | = Total Cov          | /er                 | Prevalence Index workshe                           | eet:        |                        |            |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>4' x 175')</u><br>1. |          |                      |                     | Total % Cover of:                                  |             | Multiply               | By:        |
| 2.   |          |                      |                     | OBL species  | 0           | x1=                    | 0          |
| 3.   |          |                      |                     | · · · · · · · · · · · · · · · · · · ·              | <u> </u>    | -                      | 200        |
| 4.   |          |                      |                     | FACW species                                       | 100         | x 2 =                  | 200        |
| 5  |          |                      |                     | FAC species  | 20          | x 3 =                  | 60         |
|  | 0        | = Total Cov          | /er                 | FACU species                                       | 5           | x 4 =                  | 20         |
| <u>Herb Stratum</u> (Plot size: <u>4' x 20'</u> )                |          |                      |                     | UPL species  | 0           | x 5 =                  | 0          |
| 1. Phalaris arundinacea  | 100      | Yes                  | FACW                |  | 105         | -                      | 200 (D)    |
| 2. Poa pratensis   | 20       | No                   | FAC                 | Column Totals                                      | 125         | (A)                    | 280 (B)    |
| 3. <i>Festuca rubra</i>  | 5        | No                   | FACU                | Prevalence Inde                                    | ex = B/A =  | 2.2                    |            |
| 4  |          |                      |                     | Hydrophytic Vegetation In                          | dicators:   |                        |            |
| 5.   |          |                      |                     | · 1- Rapid Test for Hyd                            | drophytic V | /egetatior             | ı          |
| 6  |          |                      |                     | 2 - Dominance Test i                               | s >50%      |                        |            |
| 8.   |          |                      |                     | 3 - Prevalence Index                               |             |                        |            |
| 9.   |          |                      |                     |  |             |                        |            |
| 10   |          |                      |                     | 4 - Morphological Ad<br>data in Remarks or on a s  |             |                        | supporting |
|  | 125      | = Total Cov          | /er                 |  | •           |                        |            |
| <u>Woody Vine Stratum</u> (Plot size: <u>4' x 700'</u> )         |          | -                    |                     | Problematic Hydrop                                 | hytic Vege  | tation <sup>1</sup> (E | xplain)    |
| 1.   |          |                      |                     | <sup>1</sup> Indicators of hydric soil a           |             |                        | gy must be |
| 2.   |          |                      |                     | present, unless disturbed                          | or proble   | matic                  |            |
|  | 0        | = Total Cov          | /er                 | Hydrophytic Vegetation P                           | resent?     | /es 🟒 1                | No         |
| Remarks: (Include photo numbers here or on a separate sheet.)    |          |                      |                     | 1  |             |                        |            |

The criterion for hydrophytic vegetation is met. Fresh (Wet) Meadow plant community.

| SO | IL |
|----|----|
|    |    |

| inches)  | Color (moist)  | %  | Color (moist)   | x Feature<br>%  |   | Loc <sup>2</sup>   | Texture  | Remarks  |
|--|--|--|---|---|---|--|--|--|
| 0 - 7  | 10YR 2/1   | 95   | 7.5YR 5/6   | 5   | Type <sup>1</sup><br>C  | M/PL   | Clay Loam  |  |
| 7 - 13   | 10YR 5/2   | 80   | 10YR 5/6  | 20  | C   | M  | Clay   |  |
| 13 - 21  | 10YR 5/1   | 75   | 7.5YR 4/6   | 25  | C   | <br>   | Silty Clay   |  |
|  |  |  |   |   |   |  |  |  |
| Type: C =  | Concentration, D = D   | epletion, R  | M = Reduced Matrix  | , MS = M  | lasked Sa   | nd Grains. <sup>2</sup> Loca   | tion: PL = Pore Lining, M = Matrix   |  |
| Histo<br>Histi<br>Blac<br>Hydu<br>Strat<br>2 cm<br>Dep<br>Dep<br>Sano  | I Indicators:<br>posol (A1)<br>c Epipedon (A2)<br>k Histic (A3)<br>rogen Sulfide (A4)<br>iffied Layers (A5)<br>Muck (A10)<br>leted Below Dark Surf<br>k Dark Surface (A12)<br>dy Mucky Mineral (S1)<br>Mucky Deat or Deat  |  | Sandy Gleye<br>Sandy Redox<br>Stripped Ma<br>Loamy Muck<br>Loamy Gleye<br>C Depleted Ma<br>Redox Dark<br>Depleted Da<br>Redox Depre | ( (S5)<br>trix (S6)<br>ty Minera<br>ed Matrix<br>atrix (F3)<br>Surface (<br>rk Surfac   | al (F1)<br>: (F2)<br>F6)<br>:e (F7)   | Co<br>Da<br>Irc<br>Ve<br>Ot<br>³Indicat  | rs for Problematic Hydric Soils <sup>3</sup> :<br>ast Prairie Redox (A16)<br>rk Surface (S7)<br>n-Manganese Masses (F12)<br>ry Shallow Dark Surface (TF12)<br>her (Explain in Remarks)<br>ors of hydrophytic vegetation ar<br>, unless disturbed or problemati |  |
|  | Mucky Peat or Peat or Peat or Peat or Peat of America Am<br>America America Ameri<br>America America A<br>America America Americ | ,53)   |   |   |   | ·  |  |  |
|  | ype:   |  | None  |   |   |  |  |  |
|  | Pepth (inches):  |  | None  | _   |   | Hydric Soil Pres   | ent?   | Yes 🖌 No _   |
| YDROL  |  | net.   |   |   |   |  |  |  |
| he criter<br>YDROL<br>/etland H<br>rimary Ir<br>Satu<br>Satu<br>Satu<br>Sedi<br>Drift<br>Alga<br>Iron  | OGY<br>Aydrology Indicators:<br>Idicators (minimum consecutive)<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)   | f one is rec   | Aqu<br>True<br>Hyd<br>Oxic<br>Pres<br>Rece<br>Thin  | er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron R<br>Muck Su   | Plants (B<br>lfide Odo<br>zosphere<br>Reduced I<br>Reduction<br>urface (C7  | 14)<br>r (C1)<br>s on Living Roots<br>Iron (C4)<br>i in Tilled Soils (C<br>)   | Surface Soil Cracks<br>Drainage Patterns<br>Dry-Season Water<br>Crayfish Burrows (<br>Crayfish Burrows (<br>Saturation Visible<br>Stunted or Stresse   | (B10)<br>Table (C2)<br>C8)<br>on Aerial Imagery (C9)<br>d Plants (D1)<br>ion (D2)                  |
| he criter<br>YDROL<br>/etland H<br>mimary Ir<br>Satu<br>Satu<br>Satu<br>Sedi<br>Drift<br>Alga<br>Iron<br>Inun<br>Spar  | OGY<br>hydrology Indicators:<br>idicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca   | f one is rec   |   | er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron R<br>Muck Su<br>ge or We                                       | a (B13)<br>Plants (B<br>lfide Odo<br>zosphere<br>Reduced l<br>Reduction   | 14)<br>r (C1)<br>s on Living Roots<br>Iron (C4)<br>i in Tilled Soils (C<br>')<br>9)  | Surface Soil Cracks<br>Drainage Patterns<br>Dry-Season Water<br>Crayfish Burrows (<br>Saturation Visible<br>Stunted or Stresse<br>G) <u> C</u> Geomorphic Positi   | s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imagery (C9)<br>d Plants (D1)<br>ion (D2)        |
| YDROL<br>/etland H<br>rimary Ir<br>Surf.<br>High<br>Satu<br>Satu<br>Satu<br>Satu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu<br>Natu | OGY<br>dydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer   | <u>f one is rec</u><br>al Imagery<br>ve Surface                    |   | er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron F<br>Muck Su<br>ge or We<br>er (Explai                         | a (B13)<br>Plants (B<br>lfide Odo<br>zosphere<br>Reduced l<br>Reduction<br>urface (C7<br>ll Data (D<br>n in Rem   | 14)<br>r (C1)<br>s on Living Roots<br>lron (C4)<br>i in Tilled Soils (C<br>')<br>9)<br>arks)                                       | Surface Soil Cracks<br>Drainage Patterns<br>Dry-Season Water<br>Crayfish Burrows (<br>Saturation Visible<br>Stunted or Stresse<br>G) <u> C</u> Geomorphic Positi   | s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imagery (C9)<br>d Plants (D1)<br>ion (D2)        |
| he criter YDROL /etland H rimary Ir Satu Vata Sedi Drift Alga Iron Inun Spar ield Obse uurface W   | OGY<br>hydrology Indicators:<br>ndicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca<br>ervations:<br>later Present?   | <mark>f one is rec</mark><br>al Imagery<br>ve Surface<br>Ye        |   | er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron R<br>Muck Su<br>ge or We<br>er (Explai                         | a (B13)<br>Plants (B<br>lfide Odo<br>zosphere<br>Reduced I<br>Reduction<br>urface (C7<br>Il Data (D<br>n in Rem   | 14)<br>r (C1)<br>s on Living Roots<br>Iron (C4)<br>i in Tilled Soils (C<br>)<br>9)<br>arks)<br>nes):                               | Surface Soil Cracks<br>Drainage Patterns<br>Dry-Season Water<br>Crayfish Burrows (<br>Saturation Visible<br>Stunted or Stresse<br>Stunted or Stresse<br>G) Geomorphic Positi<br>FAC-Neutral Test (   | s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imagery (C9)<br>d Plants (D1)<br>ion (D2)<br>D5) |
| he criter YDROL /etland H rimary Ir Satu Satu Vata Sedi Drift Alga Iron Iron Inun Spar ield Obse urface W /ater Tab  | OGY<br>Hydrology Indicators:<br>Indicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca<br>ervations:<br>fater Present?<br>I Mat Present?  | <mark>f one is rec</mark><br>al Imagery<br>ve Surface<br>Ye        |   | er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron R<br>Muck Su<br>ge or We<br>er (Explai<br>De                   | a (B13)<br>Plants (B<br>lfide Odo<br>zosphere<br>Reduced l<br>Reduction<br>urface (C7<br>Il Data (D<br>n in Rem<br>epth (inch                             | 14)<br>r (C1)<br>s on Living Roots<br>ron (C4)<br>in Tilled Soils (C<br>)<br>9)<br>arks)<br>mes):                                  | Surface Soil Cracks<br>Drainage Patterns<br>Dry-Season Water<br>Crayfish Burrows (<br>Saturation Visible<br>Stunted or Stresse<br>G) <u> C</u> Geomorphic Positi   | s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imagery (C9)<br>d Plants (D1)<br>ion (D2)<br>D5) |
| he criter YDROL Vetland H rimary Ir Satu Sedi Sedi Drift Alga Iron Inun Spar ield Obse urface W Vater Tab aturation  | OGY<br>Hydrology Indicators:<br>Indicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca<br>ervations:<br>fater Present?<br>Present?  | f one is rec<br>al Imagery<br>ive Surface<br>Ye<br>Ye              |   | er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron R<br>Muck Su<br>ge or We<br>er (Explai<br>De                   | a (B13)<br>Plants (B<br>lfide Odo<br>zosphere<br>Reduced I<br>Reduction<br>urface (C7<br>Il Data (D<br>n in Rem   | 14)<br>r (C1)<br>s on Living Roots<br>ron (C4)<br>in Tilled Soils (C<br>)<br>9)<br>arks)<br>mes):                                  | Surface Soil Cracks<br>Drainage Patterns<br>Dry-Season Water<br>Crayfish Burrows (<br>Saturation Visible<br>Stunted or Stresse<br>Stunted or Stresse<br>G) Geomorphic Positi<br>FAC-Neutral Test (   | s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imagery (C9)<br>d Plants (D1)<br>ion (D2)<br>D5) |
| he criter<br>YDROL<br>/etland H<br>rimary Ir<br>Satu<br>Satu<br>Satu<br>Sedi<br>Drift<br>Alga<br>Iron<br>Inun<br>Spar<br>Seld Obse<br>urface W<br>/ater Tab<br>aturation<br>ncludes  | OGY<br>Hydrology Indicators:<br>Indicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca<br>ervations:<br>later Present?<br>I Present?<br>I Present?<br>capillary fringe)   | f one is rec<br>al Imagery<br>ve Surface<br>Ye<br>Ye               |   | er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron F<br>Muck Su<br>ge or Wei<br>er (Explai                        | a (B13)<br>Plants (B<br>Ifide Odo<br>zosphere<br>Reduced I<br>Reduction<br>urface (C7<br>II Data (D<br>n in Rem<br>epth (inch<br>epth (inch               | 14)<br>r (C1)<br>s on Living Roots<br>lron (C4)<br>n Tilled Soils (C<br>)<br>9)<br>arks)<br>nes):<br>nes):<br>nes):<br>            | Surface Soil Cracks Drainage Patterns Dry-Season Water Crayfish Burrows ( C3) Saturation Visible Stunted or Stresse Sunted or Stresse FAC-Neutral Test ( Wetland Hydrology Pres  | s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imagery (C9)<br>d Plants (D1)<br>ion (D2)<br>D5) |
| he criter YDROL Vetland H rimary Ir Satu Sedi Sedi Drift Alga Iron Inun Spar ield Obse urface W Vater Tab aturation ncludes Describe   | OGY<br>Hydrology Indicators:<br>Indicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca<br>ervations:<br>fater Present?<br>Present?  | f one is rec<br>al Imagery<br>ve Surface<br>Ye<br>Ye<br>m gauge, m |   | er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron F<br>Muck Su<br>ge or We<br>er (Explai<br>De<br>De<br>De<br>De | a (B13)<br>Plants (B<br>Ifide Odo<br>zosphere<br>Reduced I<br>Reduction<br>urface (C7<br>II Data (D<br>n in Rem<br>epth (inch<br>epth (inch<br>epth (inch | 14)<br>r (C1)<br>s on Living Roots<br>lron (C4)<br>in Tilled Soils (C<br>')<br>9)<br>arks)<br>nes):<br>nes):<br>s inspections), if | Surface Soil Cracks Drainage Patterns Dry-Season Water Crayfish Burrows ( C3) Saturation Visible Stunted or Stresse Sunted or Stresse FAC-Neutral Test ( Wetland Hydrology Pres  | s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imagery (C9)<br>d Plants (D1)<br>ion (D2)<br>D5) |

Photo of Sample Plot



East

| Project/Site: Parcels 409 & 413                                     | City/County: Mt. Pleasant , Racine       | Sampling Date: 2018-07-26   |
|---|--|-----------------------------|
| Applicant/Owner: Foxconn  | State:                                   | Sampling Point: SP-04       |
| Investigator(s): Ron Londre   | Section, Township, Range                 | S32-T03N-R22E               |
| Landform (hillslope, terrace, etc.): Back slope                     | Local relief (concave, convex            | <b>, none):</b> Convex      |
| Slope (%): 3-6 Lat: 42.67277  | Long: -87.91833                          | Datum: WGS84                |
| Soil Map Unit Name: Ashkum silty clay loam, 0 to 2 percent sl       | lopes                                    | WWI classification: None    |
| Are climatic/hydrologic conditions on the site typical for this tir | me of year? Yes No 🟒 (If no, explain in  | Remarks.)                   |
| Are Vegetation, Soil, or Hydrology sign                             | nificantly disturbed? Are "Normal Circur | nstances" present? Yes 🟒 No |
| Are Vegetation, Soil, or Hydrology natu                             | urally problematic? (If needed, explain  | any answers in Remarks.)    |

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

| Hydrophytic Vegetation Present? | Yes No     |                                       |          |
|---------------------------------|------------|---------------------------------------|----------|
| Hydric Soil Present?            | Yes 🖌 No _ |                                       |          |
| Wetland Hydrology Present?      | Yes No 🟒   | Is the Sampled Area within a Wetland? | Yes No 🟒 |
| RReemmaarrkkss::                |            |                                       |          |

Based on the absence of two of three parameters, this area is an upland.

# VEGETATION --- Use scientific names of plants.

| <u>Tree Stratum</u> (Plot size: <u>30' r)</u>                |     | Dominant<br>Species? | Indicator<br>Status | Dominance Test worksheet:   |                   |            |
|--|-----|----------------------|---------------------|---|-------------------|------------|
| 1. Picea pungens   | 5   | Yes                  | UPL                 | Number of Dominant Species T<br>Are OBL, FACW, or FAC:                            | nat 1             | (A)        |
| 2. Malus pumilia   | 3   | Yes                  | UPL                 |   |                   |            |
| 3  |     |                      |                     | Total Number of Dominant Spec<br>Across All Strata:                               | <sup>lles</sup> 5 | (B)        |
| 4<br>5   |     |                      |                     | Percent of Dominant Species Th<br>Are OBL, FACW, or FAC:                          | at 20             | (A/B)      |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15' r</u> )      | 8   | = Total Cov          | /er                 | Prevalence Index worksheet:   |                   |            |
| <u>Sapling/Shrub Stratum</u> (Plot Size: <u>15-r</u> )<br>1. |     |                      |                     | Total % Cover of:   | Multiply          | By:        |
| 2.   |     |                      |                     | OBL species 0   | x 1 =             | 0          |
| 3  |     |                      |                     | FACW species 0  | x 2 =             | 0          |
| 4.   |     |                      |                     | FAC species   |                   |            |
| 5  |     | - Total Ca           |                     | -   | x 3 =             |            |
|  | 0   | = Total Cov          | /er                 | FACU species 105  | x 4 =             | 420        |
| <u>Herb Stratum</u> (Plot size: <u>5' r</u> )                |     |                      |                     | UPL species 8   | x 5 =             | 40         |
| 1. Cirsium arvense   | 40  | Yes                  | FACU                | Column Totals   | (A)               | (B)        |
| 2. Elymus repens   | 40  | Yes                  | FACU                |   |                   | (b)        |
| 3. Hordeum jubatum   | 30  | Yes                  | FAC                 | Prevalence Index = B/   | A =               |            |
| 4. Ambrosia artemisiifolia                                   | 25  | No                   | FACU                | Hydrophytic Vegetation Indicato   | rs:               |            |
| 5. <i>Poa pratensis</i>                                      | 10  | No                   | FAC                 |   |                   |            |
| 6. Rumex crispus   |     | No                   | FAC                 | 1- Rapid Test for Hydrophy  | tic vegetatior    | 1          |
| 7.   |     |                      |                     | 2 - Dominance Test is > 50  | %                 |            |
| 8  |     |                      |                     | $3 - Prevalence Index is \leq 3$  | .0 <sup>1</sup>   |            |
| 9  |     |                      |                     | 4 - Morphological Adaptati  | ons¹ (Provide     | supporting |
| 10   |     |                      |                     | data in Remarks or on a separat   |                   |            |
|  | 145 | = Total Cov          | /er                 | Problematic Hydrophytic V   | legetation1 (E)   | (niclay    |
| <u>Woody Vine Stratum</u> (Plot size: <u>30' r</u> )         |     |                      |                     |   | 0                 |            |
| 1  |     |                      |                     | <sup>1</sup> Indicators of hydric soil and we<br>present, unless disturbed or pro |                   | gy must be |
| 2  |     |                      |                     |   |                   |            |
|  | 0   | = Total Cov          | /er                 | Hydrophytic Vegetation Present  | • Yes N           | NO _       |

The criterion for hydrophytic vegetation is not met. Fallow field. Tree species appear to be planted.

| SOI | I |
|-----|---|
| 501 |   |

| Depth  | Matrix  |   | needed to docume<br>Redox  | Feature  |   |   |                             |   |   |
|--|---|---|--|--|---|---|-----------------------------|---|---|
| inches)  | Color (moist)   | %   | Color (moist)  | %  | Type <sup>1</sup>   | Loc <sup>2</sup>  |                             | Texture   | Remarks   |
| 0 - 11   | 10YR 2/1  | 100   |  |  |   |   |                             | Clay Loam   |   |
| 1 - 16   | 10YR 2/1  | 95  | 10YR 5/6   | 5  | С   | М   |                             | Clay Loam   |   |
| 16 - 24  | 10YR 5/2  | 70  | 10YR 5/8   | 30   | С   | М   |                             | Clay  |   |
| <br>   |   | ·   |  |  |   |   |                             |   |   |
| Гуре: С =  | Concentration, D = D  | epletion, RI  | M = Reduced Matrix   | , MS = M   | asked Sa  | nd Grains   | . <sup>2</sup> Location: Pl | _ = Pore Lining, M = Matrix.  |   |
| lydric Soil  | l Indicators:   |   |  |  |   | l. I  | ndicators for F             | Problematic Hydric Soils <sup>3</sup> :   |   |
|  | osol (A1)   |   | Sandy Gleyed   |  | (S4)  |   |                             | iirie Redox (A16)   |   |
|  | c Epipedon (A2)   |   | Sandy Redox  |  |   |   | Dark Surf                   |   |   |
|  | (Histic (A3)  |   | Stripped Mat   |  |   | -   |                             | ganese Masses (F12)   |   |
| -  | ogen Sulfide (A4)<br>ified Layers (A5)  |   | Loamy Muck   |  |   | -   | -                           | low Dark Surface (TF12)   |   |
|  | Muck (A10)  |   | Depleted Ma  |  | (12)  |   |                             | plain in Remarks)   |   |
|  | eted Below Dark Sur   | face (A11)  | Redox Dark S   |  | -6)   |   |                             | nydrophytic vegetation and v<br>s disturbed or problematic.   | vetland hydrology must be   |
| •  | Coark Surface (A12)   |   | Depleted Da  | rk Surfac  | e (F7)  | ŀ   | Jiesent, unles              | s disturbed of problematic.   |   |
| Sand   | ly Mucky Mineral (S1)   |   | Redox Depre  | ssions (F  | 8)  |   |                             |   |   |
|  | Mucky Peat or Peat  | (S3)  |  |  |   |   |                             |   |   |
|  | Layer (if observed):  |   |  |  |   |   |                             |   |   |
| -  | ype:  |   | None   | _  |   | Hydric S  | oil Present?                |   | Yes 🖌 No  |
| D  | epth (inches):  |   |  | _  |   | -   |                             |   |   |
| The criteri  | on for hydric soil is n   | net. Potentia   | ally relict hydric soil.   |  |   |   |                             |   |   |
| The criterio<br>YDROLO<br>Vetland H<br>Primary In<br>Surfa<br>Surfa<br>Satur   |   |   | uired; check all that<br>Wate  | <b>apply)</b><br>er-Staine<br>atic Faun<br>Aquatic   | Plants (B   | 14)   |                             | Secondary Indicators (mini<br>Surface Soil Cracks (E<br>Drainage Patterns (B<br>Crayfish Burrows (C8  | 6)<br>10)<br>ble (C2)   |
| The criterion<br>IYDROLO<br>Vetland H<br>Primary In<br>Satur<br>High<br>Satur<br>Wate<br>Sedir<br>Drift  | OGY<br>lydrology Indicators:<br>idicators (minimum c<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)   |   | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres  | apply)<br>er-Staine<br>titic Faun<br>Aquatic<br>ogen Su<br>ized Rhiz<br>ence of F  | a (B13)<br>Plants (B<br>lfide Odo<br>cospheres<br>Reduced I   | 14)<br>r (C1)<br>s on Livin   | g Roots (C3)<br>Soils (C6)  | Surface Soil Cracks (E<br>Drainage Patterns (B<br>Dry-Season Water Ta   | i6)<br>10)<br>ble (C2)<br>)<br>Aerial Imagery (C9)<br>Plants (D1)         |
| he criteri<br>YDROLO<br>Vetland H<br>rimary In<br>Satur<br>Bigh<br>Satur<br>Wate<br>Sedir<br>Drift<br>Algal<br>Iron I<br>Inuno   | OGY<br>lydrology Indicators:<br>dicators (minimum c<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)  | of one is req   | uired; check all that<br>Wate<br>True<br>True<br>Oxid<br>Oxid<br>Pres<br>Rece<br>Thin<br>(B7)Gaug  | apply)<br>er-Staine-<br>titic Faun<br>Aquatic<br>ogen Sui<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>ge or Wel                                   | a (B13)<br>Plants (B<br>lfide Odo<br>cospheres<br>Reduced I   | 14)<br>r (C1)<br>s on Livin<br>ron (C4)<br>in Tilled<br>)<br>9)   | -                           | Surface Soil Cracks (E<br>Drainage Patterns (B<br>Dry-Season Water Ta<br>Crayfish Burrows (C8<br>Saturation Visible on<br>Stunted or Stressed F   | i6)<br>10)<br>ble (C2)<br>)<br>Aerial Imagery (C9)<br>Plants (D1)<br>(D2) |
| he criteri<br>YDROLO<br>Vetland H<br>rimary In<br>Satur<br>Wate<br>Sedir<br>Drift<br>Algal<br>Iron I<br>Inuno<br>Spars<br>ield Obse  | OGY<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca  | of one is req<br>ial Imagery (<br>ave Surface (   | uired; check all that<br>Wate<br>True<br>Hydr<br>Oxid<br>Pres<br>Rece<br>Thin<br>(B7)Gaug<br>(B8)Othe  | apply)<br>er-Staine-<br>tic Faun<br>Aquatic<br>ogen Sui<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>ge or Wel<br>r (Explai                        | a (B13)<br>Plants (B<br>Ifide Odo<br>cospheres<br>Reduced I<br>reduction<br>Irface (C7<br>I Data (D<br>n in Rema  | 14)<br>r (C1)<br>s on Livin<br>ron (C4)<br>in Tilled<br>)<br>9)<br>arks)                                  | -                           | Surface Soil Cracks (E<br>Drainage Patterns (B<br>Dry-Season Water Ta<br>Crayfish Burrows (C8<br>Saturation Visible on<br>Stunted or Stressed F<br>Geomorphic Position                              | i6)<br>10)<br>ble (C2)<br>)<br>Aerial Imagery (C9)<br>Plants (D1)<br>(D2) |
| he criterio<br>YDROLO<br>Vetland H<br>rimary In<br>Satur<br>Wate<br>Sedir<br>Drift<br>Algal<br>Iron I<br>Inuno<br>Spars<br>Sedir<br>Sedir<br>Drift<br>Algal<br>Iron I<br>Inuno                                 | OGY<br>lydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca   | of one is req<br>ial Imagery (<br>ave Surface (<br>Ye   | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Rece<br>Thin<br>(B7)Gaug<br>(B8)Othe<br>  | apply)<br>er-Staine-<br>tic Faun<br>Aquatic<br>ogen Sui<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>ge or Wel<br>r (Explai                        | a (B13)<br>Plants (B<br>lfide Odo<br>cospheres<br>Reduced I<br>reduction<br>rface (C7<br>Il Data (D   | 14)<br>r (C1)<br>s on Livin<br>ron (C4)<br>in Tilled<br>)<br>9)<br>arks)                                  | -                           | Surface Soil Cracks (E<br>Drainage Patterns (B<br>Dry-Season Water Ta<br>Crayfish Burrows (C8<br>Saturation Visible on<br>Stunted or Stressed F<br>Geomorphic Position<br>FAC-Neutral Test (D5)     | a6)<br>10)<br>ble (C2)<br>)<br>Aerial Imagery (C9)<br>Plants (D1)<br>(D2) |
| he criterio<br>YDROLO<br>Vetland H<br>'rimary In<br>Satur<br>Satur<br>Wate<br>Sedir<br>Drift<br>Algal<br>Iron I<br>Inuno<br>Spars<br>ield Obse<br>urface Wa  | OGY<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca  | of one is req<br>ial Imagery (<br>ave Surface (<br>Ye   | uired; check all that<br>Wate<br>True<br>Hydr<br>Oxid<br>Pres<br>Rece<br>Thin<br>(B7)Gaug<br>(B8)Othe  | apply)<br>er-Staine<br>atic Faun<br>Aquatic<br>ogen Su<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>ge or Wel<br>r (Explai                         | a (B13)<br>Plants (B<br>Ifide Odo<br>cospheres<br>Reduced I<br>reduction<br>Irface (C7<br>I Data (D<br>n in Rema  | 14)<br>r (C1)<br>s on Livin<br>ron (C4)<br>in Tilled<br>)<br>9)<br>arks)<br>es):                          | -                           | Surface Soil Cracks (E<br>Drainage Patterns (B<br>Dry-Season Water Ta<br>Crayfish Burrows (C8<br>Saturation Visible on<br>Stunted or Stressed F<br>Geomorphic Position                              | a6)<br>10)<br>ble (C2)<br>)<br>Aerial Imagery (C9)<br>Plants (D1)<br>(D2) |
| The criterion<br>YDROLO<br>Vetland H<br>Primary In<br>Satur<br>Satur<br>Wate<br>Sedir<br>Drift<br>Algal<br>Iron I<br>Iron I<br>Satur<br>Sedir<br>Sedir<br>Cield Obse<br>Surface Wa<br>Vater Tabl               | OGY<br>hydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca<br>revations:<br>ater Present?<br>le Present? | of one is req<br>ial Imagery (<br>ave Surface (<br>Ye   | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Rece<br>Thin<br>(B7)Gaug<br>(B8)Othe<br>  | apply)<br>er-Staine<br>atic Faun<br>Aquatic<br>ogen Su<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>ge or Wel<br>r (Explai<br>De<br>De             | a (B13)<br>Plants (B<br>lfide Odo<br>cospheres<br>Reduced I<br>leduction<br>rface (C7<br>l Data (D'<br>n in Rema<br>pth (inch   | 14)<br>r (C1)<br>s on Livin<br>ron (C4)<br>in Tilled<br>)<br>9)<br>arks)<br>es):<br>es):                  | -                           | Surface Soil Cracks (E<br>Drainage Patterns (B<br>Dry-Season Water Ta<br>Crayfish Burrows (C8<br>Saturation Visible on<br>Stunted or Stressed F<br>Geomorphic Position<br>FAC-Neutral Test (D5)     | a6)<br>10)<br>ble (C2)<br>)<br>Aerial Imagery (C9)<br>Plants (D1)<br>(D2) |
| The criterion<br>YDROLU<br>Vetland H<br>Trimary In<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Satur<br>Spars<br>Sield Obse<br>Surface Wa<br>Vater Tabl<br>Saturation                             | OGY<br>hydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca<br>revations:<br>ater Present?<br>le Present? | of one is req<br>ial Imagery (<br>ave Surface (<br>Ye   | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Thin<br>(B7)Gaug<br>(B8)Othe<br>ssNo  | apply)<br>er-Staine<br>atic Faun<br>Aquatic<br>ogen Su<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>ge or Wel<br>r (Explai<br>De<br>De             | a (B13)<br>Plants (B<br>lfide Odo<br>cospheres<br>Reduced I<br>reduction<br>rface (C7<br>l Data (D'<br>n in Rema<br>pth (inch   | 14)<br>r (C1)<br>s on Livin<br>ron (C4)<br>in Tilled<br>)<br>9)<br>arks)<br>es):<br>es):                  | -                           | Surface Soil Cracks (E<br>Drainage Patterns (B<br>Dry-Season Water Ta<br>Crayfish Burrows (C8<br>Saturation Visible on<br>Stunted or Stressed F<br>Geomorphic Position<br>FAC-Neutral Test (D5)     | a6)<br>10)<br>ble (C2)<br>)<br>Aerial Imagery (C9)<br>Plants (D1)<br>(D2) |
| IYDROL<br>Netland H<br>Primary In<br>Surfa<br>High<br>Satur<br>Wate<br>Sedir<br>Drift<br>Algal<br>Iron I<br>Inund<br>Spars<br>Field Obse<br>Surface WA<br>Nater Tabl<br>Saturation<br>includes c<br>Describe R | OGY<br>lydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aeri<br>sely Vegetated Conca<br>ervations:<br>ater Present?<br>le Present? | of one is req<br>ial Imagery (<br>ave Surface (<br>Ye<br>Ye<br><u>Ye</u><br><b>m gauge, m</b> | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Press<br>Rece<br>Thin<br>(B7) Gaug<br>(B8) Othe<br>s No<br>No<br>s No<br>nitoring well, aeria | apply)<br>er-Staine<br>atic Faun<br>Aquatic<br>ogen Su<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>ge or Wel<br>r (Explai<br>De<br>De<br>De<br>De | a (B13)<br>Plants (B'<br>lfide Odo<br>cospheres<br>Reduced I<br>reduction<br>rface (C7<br>I Data (D'<br>n in Rema<br>pth (inch<br>pth (inch<br>pth (inch<br>, <b>previous</b> | 14)<br>r (C1)<br>s on Livin<br>ron (C4)<br>)<br>9)<br>arks)<br>es):<br>es):<br>es):<br>es):<br>s inspecti | Soils (C6)                  | Surface Soil Cracks (E Drainage Patterns (B Dry-Season Water Ta Crayfish Burrows (C8 Saturation Visible on Stunted or Stressed F Geomorphic Position FAC-Neutral Test (D5) Wetland Hydrology Preser | a6)<br>10)<br>ble (C2)<br>)<br>Aerial Imagery (C9)<br>Plants (D1)<br>(D2) |



Southeast

| Applicant/Owner: Foxconn State: Sampling Point: SP-05   |      |
|---|------|
|   |      |
| Investigator(s): Ron Londre Section, Township, Range: S32_T03N-R22E   |      |
| Landform (hillslope, terrace, etc.): Toe slope, ditch Local relief (concave, convex, none): Concave                 |      |
| Slope (%):         1-3         Lat:         42.67277         Long:         -87.91827         Datum:         WGS     | 84   |
| Soil Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes WWI classification: None                          |      |
| Are climatic/hydrologic conditions on the site typical for this time of year? Yes No 🟒 (If no, explain in Remarks.) |      |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes                 | 🖌 No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)              |      |

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

| Hydrophytic Vegetation Present? | Yes 🟒 No |                                       |          |
|---------------------------------|----------|---------------------------------------|----------|
| Hydric Soil Present?            | Yes 🟒 No |                                       |          |
| Wetland Hydrology Present?      | Yes 🟒 No | Is the Sampled Area within a Wetland? | Yes 🖌 No |
| RReemmaarrkkss::                |          |                                       |          |

Based on the presence of all three parameters, this area is a wetland. Wetland ID: W-1

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

| <u>Tree Stratum</u> (Plot size: <u>10' x 280')</u>            |          | e Dominant<br>Species? | Indicator<br>Status | Dominance Test work   | sheet:               |                        |             |
|---|----------|------------------------|---------------------|---|----------------------|------------------------|-------------|
| 1   | 70 00001 | Species:               |                     | Number of Dominant<br>Are OBL, FACW, or FA                    |                      | 2                      | (A)         |
| 2   |          | ·                      |                     | Total Number of Dom   | inant Species        | 2                      | (D)         |
| 3.  |          | ·                      |                     | Across All Strata:  |                      | Z                      | (B)         |
| 4<br>5  |          |                        |                     | Percent of Dominant<br>Are OBL, FACW, or FA                   |                      | 100                    | (A/B)       |
| Sapling/Shrub Stratum (Plot size: <u>10' x 70')</u>           | 0        | = Total Co             | ver                 | Prevalence Index wor  | ksheet:              |                        |             |
| 1.  |          |                        |                     | <u>Total % Cove</u>   | <u>r of:</u>         | <u>Multiply</u>        | By:         |
| 2.  |          |                        |                     | OBL species   | 80                   | x 1 =                  | 80          |
| 3.  |          |                        |                     | -<br>FACW species   | 40                   | x 2 =                  | 80          |
| 4<br>5  |          |                        |                     | -<br>FAC species  | 0                    | x 3 =                  | 0           |
|   | 0        | = Total Co             | ver                 | -<br>FACU species   | 0                    | x 4 =                  | 0           |
| <u>Herb Stratum</u> (Plot size: <u>5' r</u> )                 |          |                        |                     | UPL species   | 0                    | x 5 =                  | 0           |
| 1. <i>Typha X glauca</i>                                      | 80       | Yes                    | OBL                 | Column Totals   | 120                  | (A)                    | 160 (B)     |
| 2. Phalaris arundinacea                                       | 40       | Yes                    | FACW                | .  -  |                      | • •                    |             |
| 3   |          | ·                      |                     | ·   | Index = B/A =        | 1.3                    |             |
| 4.<br>5.  |          | ·                      |                     | Hydrophytic Vegetatio   | on Indicators:       |                        |             |
| 6.  |          | ·                      |                     | 1- Rapid Test for   | Hydrophytic \        | /egetatio              | ſ           |
| 7.  |          | ·                      |                     | 2 - Dominance T   | est is >50%          |                        |             |
| 8.  |          |                        |                     | 3 - Prevalence In   | idex is $\leq 3.0^1$ |                        |             |
| 9   |          |                        |                     | 4 - Morphologica  | al Adaptations       | <sup>1</sup> (Provide  | supporting  |
| 10  |          |                        |                     | data in Remarks or or   |                      |                        | 200000008   |
|   | 120      | = Total Co             | ver                 | Problematic Hyd   | lrophytic Vege       | tation <sup>1</sup> (E | xplain)     |
| Woody Vine Stratum (Plot size: 10' x 280')           1.       |          |                        |                     | <sup>1</sup> Indicators of hydric s<br>present, unless distur |                      |                        | ogy must be |
| 2   | 0        | = Total Co             | ver                 | Hydrophytic Vegetatio   | on Present?          | Yes 🖌 I                | No          |
| Remarks: (Include photo numbers here or on a separate sheet.) |          | _                      |                     |   |                      |                        |             |

The criterion for hydrophytic vegetation is met. Shallow Marsh plant community.

SOIL

| Depth  | Matrix  |   |  | Feature  | S   |   |                |   |   |
|--|---|---|--|--|---|---|----------------|---|---|
| inches)  | Color (moist)   | %   | Color (moist)  | %  | Type <sup>1</sup>   | Loc <sup>2</sup>  |                | Texture   | Remarks   |
| 0-8  | 10YR 2/1  | 95  | 7.5YR 5/6  | 5  | <u> </u>  |   |                | Clay Loam   |   |
| 8 - 14   | 10YR 5/2  | 50  | 7.5YR 5/6  | 10   | С   | M   |                | Clay  |   |
| 8 - 14   | 10YR 5/3  | 40  |  |  |   |   |                | cl  | Mixed   |
| 4 - 24   | 10YR 5/1  | 60  | 7.5YR 5/6  | 20   | C   | M   |                | Clay  | Mixed   |
| 4 - 24   | 10YR 5/3  | 20  |  |  |   |   |                |   | Mixed   |
| ype: C =   | Concentration, D = D  | Depletion, R  | M = Reduced Matrix   | , MS = M   | asked Sa  | nd Grains. <sup>2</sup> l   | Location: PL   | = Pore Lining, M = Matrix.  |   |
| ydric Soi  | l Indicators:   |   |  |  |   | Indi  | icators for Pi | roblematic Hydric Soils <sup>3</sup> :  |   |
| Histo  | osol (A1)   |   | Sandy Gleyed   | d Matrix   | (S4)  |   | _ Coast Prai   | rie Redox (A16)   |   |
|  | c Epipedon (A2)   |   | Sandy Redox  |  |   |   | _ Dark Surfa   | ace (S7)  |   |
|  | k Histic (A3)   |   | Stripped Mat   |  |   |   | -              | anese Masses (F12)  |   |
| -  | rogen Sulfide (A4)<br>:ified Layers (A5)  |   | Loamy Muck   |  |   |   |                | ow Dark Surface (TF12)  |   |
|  | Muck (A10)  |   | Depleted Ma  |  | (12)  |   |                | blain in Remarks)   |   |
|  | eted Below Dark Sur   | face (A11)  | Redox Dark S   |  | F6)   |   | -              | disturbed or problematic  | l wetland hydrology must b  |
| Thicl  | k Dark Surface (A12)  |   | Depleted Da  |  |   | pre   | .sent, unicss  | distance of problematic   | •   |
|  | ly Mucky Mineral (S1)   |   | Redox Depre  | ssions (F  | 8)  |   |                |   |   |
|  | Mucky Peat or Peat  | (\$3)   |  |  |   | <u> </u>  |                |   |   |
|  | e Layer (if observed):  |   | None   |  |   |   |                |   |   |
|  | ype:<br>Depth (inches):   |   | None   | _  |   | Hydric Soil   | Present?       |   | Yes 🖌 No  |
|  |   |   |  | _  |   |   |                |   |   |
|  | ion for hydric soil is n  | net.  |  |  |   |   |                |   |   |
| he criteri<br>YDROL<br>/etland H<br>rimary Ir  |   |   |  |  | d Leaves  | (B9)  |                | Secondary Indicators (mi  | •   |
| he criteri<br>YDROL<br>Vetland H<br>rimary Ir<br>Surfa<br>High   | OGY<br>Hydrology Indicators:<br>Indicators (minimum c<br>ace Water (A1)<br>Water Table (A2)   |   | Wate<br>Aqua   | er-Staine<br>atic Faun   | a (B13)   |   |                | Surface Soil Cracks<br>Drainage Patterns (  | (B6)<br>B10)  |
| he criteri YDROL Vetland H rimary Ir Surfa Satu  | OGY<br>Hydrology Indicators:<br>Indicators (minimum c<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)  |   | Wate<br>Aqua<br>True   | er-Staine<br>atic Faun<br>Aquatic  | a (B13)<br>Plants (B  | 14)   |                | Surface Soil Cracks<br>Drainage Patterns (I<br>Dry-Season Water T   | (B6)<br>B10)<br>able (C2)   |
| The criteri<br>YDROL<br>Vetland F<br>rimary Ir<br>Surfa<br>Satu<br>Satu<br>Wate  | OGY<br>Hydrology Indicators:<br>Indicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)  |   | Wate<br>Aqua<br>True<br>Hydr   | er-Staine<br>atic Faun<br>Aquatic<br>ogen Sul  | a (B13)<br>Plants (B<br>lfide Odo   | 14)<br>r (C1)   | Roots (C3)     | Surface Soil Cracks<br>Drainage Patterns (I<br>Dry-Season Water T<br>Crayfish Burrows (C  | (B6)<br>B10)<br>able (C2)<br>8)   |
| YDROL<br>Vetland H<br>Primary In<br>Surfa<br>Surfa<br>Surfa<br>Satu<br>Satu<br>Sedii   | OGY<br>Hydrology Indicators:<br>Indicators (minimum c<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)  |   | Wate<br>Aqua<br>True<br>Hydr<br>Oxid   | er-Staine<br>atic Faun<br>Aquatic<br>rogen Sul<br>ized Rhiz  | a (B13)<br>Plants (B<br>lfide Odo   | 14)<br>r (C1)<br>s on Living R  | Roots (C3)     | Surface Soil Cracks<br>Drainage Patterns (I<br>Dry-Season Water T<br>Crayfish Burrows (C  | (86)<br>810)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)                                |
| The criteri<br>YDROL<br>Vetland F<br>Trimary Ir<br>Satu<br>Satu<br>Wate<br>Sedin<br>Drift  | OGY<br>Aydrology Indicators:<br>Indicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)  |   | Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres   | er-Staine<br>atic Faun<br>Aquatic<br>ogen Sul<br>ized Rhiz<br>ence of F  | a (B13)<br>Plants (B<br>lfide Odo<br>cosphere:<br>Reduced I   | 14)<br>r (C1)<br>s on Living R  |                | Surface Soil Cracks<br>Drainage Patterns (i<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o  | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>Plants (D1)                 |
| he criteri<br>YDROL<br>/etland H<br>rimary Ir<br>Satu<br>Satu<br>Wate<br>Sedin<br>Drift<br>Algai<br>Iron   | OGY<br>Aydrology Indicators:<br>Idicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)  | of one is req   | Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Rece<br>Thin   | er-Staine<br>atic Faun<br>Aquatic<br>ogen Sul<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su  | a (B13)<br>Plants (B<br>lfide Odo<br>cosphere:<br>Reduced I<br>Reduction<br>Irface (C7  | 14)<br>r (C1)<br>s on Living R<br>ron (C4)<br>in Tilled Soi<br>)  |                | Surface Soil Cracks Drainage Patterns ( Dry-Season Water T Crayfish Burrows (C Saturation Visible of Stunted or Stressed  | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>Plants (D1)<br>ın (D2)      |
| he criteri<br>YDROL<br>/etland F<br>rimary Ir<br>Satu<br>Satu<br>Wate<br>Sedii<br>Drift<br>Algal<br>Iron<br>Inun   | OGY<br>Aydrology Indicators:<br>Indicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)  | of one is req   | Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Rece<br>Thin<br>(B7)Gaug   | er-Staine<br>atic Faun<br>Aquatic<br>ogen Sul<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>ge or Wel                                       | a (B13)<br>Plants (B<br>lfide Odo<br>cospheres<br>Reduced I<br>Reduced I  | 14)<br>r (C1)<br>s on Living R<br>ron (C4)<br>in Tilled Soi<br>)<br>9)  |                | Surface Soil Cracks<br>Drainage Patterns ()<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positio                             | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>Plants (D1)<br>ın (D2)      |
| he criteri<br>YDROL<br>/etland H<br>rimary Ir<br>Satu<br>Wate<br>Sedin<br>Drift<br>Algal<br>Iron<br>Inun<br>Spar<br>eld Obse   | OGY<br>dydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca  | of one is req<br>ial Imagery<br>ave Surface                         | Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Rece<br>Thin<br>(B7)Gaug<br>(B8)Othe   | r-Staine<br>titic Faun<br>Aquatic<br>ogen Su<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>ge or Wel<br>r (Explai                           | a (B13)<br>Plants (B<br>Ifide Odo<br>cosphere:<br>Reduced I<br>reduction<br>Irface (C7<br>Il Data (D<br>n in Rem  | 14)<br>r (C1)<br>s on Living R<br>ron (C4)<br>in Tilled Soi<br>)<br>9)<br>arks)                                 |                | Surface Soil Cracks<br>Drainage Patterns ()<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positio                             | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>Plants (D1)<br>ın (D2)      |
| YDROL<br>/etland F<br>rimary Ir<br>Surfa<br>High<br>Satu<br>Wate<br>Sedii<br>Drift<br>Alga<br>Iron<br>Inun<br>Inun<br>Spar<br><br>eld Obse<br>wurface W  | OGY<br>Aydrology Indicators:<br>Indicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>rsely Vegetated Conce<br>ervations:<br>later Present?               | of one is req<br>ial Imagery<br>ave Surface<br>Ye                   | (B7) Gaug<br>BB) Check<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Conte | r-Staine-<br>titic Faun<br>Aquatic<br>ogen Sui<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>Muck Su<br>ge or Wel<br>r (Explai              | a (B13)<br>Plants (B<br>Ifide Odo<br>cosphere:<br>Reduced I<br>Reduction<br>rface (C7<br>I Data (D<br>n in Rem.<br>pth (inch  | 14)<br>r (C1)<br>s on Living R<br>ron (C4)<br>in Tilled Soi<br>)<br>9)<br>arks)<br>es):                         |                | Surface Soil Cracks /<br>Drainage Patterns ()<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible of<br>Stunted or Stressed<br>C Geomorphic Positio<br>FAC-Neutral Test (D | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)<br>5) |
| he criteri<br>YDROL<br>/etland F<br>rimary Ir<br>Satu<br>Wate<br>Sedii<br>Drift<br>Alga<br>Iron<br>Inun<br>Spar<br>ield Obse<br>wurface W  | OGY<br>dydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca  | of one is req<br>ial Imagery<br>ave Surface<br>Ye                   | Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Rece<br>Thin<br>(B7)Gaug<br>(B8)Othe   | r-Staine-<br>titic Faun<br>Aquatic<br>ogen Sui<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>Muck Su<br>ge or Wel<br>r (Explai              | a (B13)<br>Plants (B<br>Ifide Odo<br>cosphere:<br>Reduced I<br>reduction<br>Irface (C7<br>Il Data (D<br>n in Rem  | 14)<br>r (C1)<br>s on Living R<br>ron (C4)<br>in Tilled Soi<br>)<br>9)<br>arks)<br>es):                         |                | Surface Soil Cracks<br>Drainage Patterns ()<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positio                             | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)<br>5) |
| he criteri<br>YDROL<br>Vetland H<br>rimary In<br>Satu<br>Wate<br>Sedii<br>Drift<br>Algal<br>Iron<br>Inun<br>Spar<br>ield Obse<br>urface W<br>Vater Tab   | OGY<br>Aydrology Indicators:<br>Indicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>rsely Vegetated Conce<br>ervations:<br>later Present?               | of one is req<br>ial Imagery<br>ave Surface<br>Ye                   | (B7) Gaug<br>BB) Check<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Conte | er-Staine<br>titic Faun<br>Aquatic<br>ogen Su<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>ge or Wel<br>er (Explai                         | a (B13)<br>Plants (B<br>Ifide Odo<br>cosphere:<br>Reduced I<br>Reduction<br>rface (C7<br>I Data (D<br>n in Rem.<br>pth (inch  | 14)<br>r (C1)<br>s on Living R<br>ron (C4)<br>in Tilled Soi<br>)<br>9)<br>arks)<br>es):<br>es):                 |                | Surface Soil Cracks /<br>Drainage Patterns ()<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible of<br>Stunted or Stressed<br>C Geomorphic Positio<br>FAC-Neutral Test (D | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)<br>5) |
| he criteri<br>YDROL<br>Vetland H<br>rimary In<br>Satu<br>Satu<br>Satu<br>Satu<br>Drift<br>Algal<br>Iron<br>Inun<br>Spar<br>ield Obse<br>urface W<br>Vater Tab<br>aturatior                     | OGY<br>dydrology Indicators:<br>ndicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca<br>ervations:<br>fater Present?<br>ble Present? | of one is req<br>ial Imagery<br>ave Surface<br>Ye<br>Ye             | (B7) Gaug<br>BB) Check<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Content<br>Conte | er-Staine<br>titic Faun<br>Aquatic<br>ogen Su<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>ge or Wel<br>er (Explai                         | a (B13)<br>Plants (B<br>Ifide Odo<br>cosphere:<br>Reduced l<br>Reduction<br>rface (C7<br>I Data (D<br>n in Rem<br>pth (inch   | 14)<br>r (C1)<br>s on Living R<br>ron (C4)<br>in Tilled Soi<br>)<br>9)<br>arks)<br>es):<br>es):                 |                | Surface Soil Cracks /<br>Drainage Patterns ()<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible of<br>Stunted or Stressed<br>C Geomorphic Positio<br>FAC-Neutral Test (D | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)<br>5) |
| he criteri<br>YDROL<br>Vetland H<br>rimary In<br>Satu<br>Satu<br>Satu<br>Sedii<br>Orift<br>Algal<br>Inun<br>Spar<br>ield Obse<br>urface W<br>Vater Tab<br>aturatior<br>ncludes o<br>Describe I | OGY<br>dydrology Indicators:<br>ndicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>I Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca<br>ervations:<br>dater Present?<br>h Present?   | of one is req<br>ial Imagery<br>ave Surface<br>Ye<br>Ye<br>Ye<br>Ye | Wate      Aqua      True      Hydr      Oxid      Rece      Thin       (B7)    Gaug       (B8)    Othe       25    No       25    No       25    No       25    No       25    No       25    No       26    No       27   | er-Staine<br>atic Faun<br>Aquatic<br>ogen Sui<br>ized Rhiz<br>ence of F<br>nt Iron R<br>Muck Su<br>ge or Wel<br>rr (Explai<br>De<br>De<br>De<br>De | a (B13)<br>Plants (B<br>Ifide Odo<br>cosphere:<br>Reduced I<br>reduction<br>rface (C7<br>I Data (D<br>n in Rem<br>pth (inch<br>pth (inch<br>pth (inch<br>, <b>previou</b> : | 14)<br>r (C1)<br>s on Living R<br>ron (C4)<br>in Tilled Soi<br>)<br>9)<br>arks)<br>es):<br>es):<br>es):<br>es): | ils (C6)       | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positic<br>FAC-Neutral Test (D       | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>Plants (D1)<br>n (D2)<br>5) |

Photo of Sample Plot



East

| Applicant/Owner:         Foxconn         State:         Sampling Point:         SP-06           Investigator(s):         Ron Londre         Section, Township, Range:         S32-T03N-R22E           Landform (hillslope, terrace, etc.):         Flat plain         Local relief (concave, convex, none):         Flat           Slope (%):         1-3         Lat:         42.67276         Long:         -87.91844         Datum:         WGS84 |
|--|
| Landform (hillslope, terrace, etc.): Flat plain Local relief (concave, convex, none): Flat   |
|  |
| Slope (%):         1-3         Lat:         42.67276         Long:         -87.91844         Datum:         WGS84  |
|  |
| Soil Map Unit Name:         Ashkum silty clay loam, 0 to 2 percent slopes         WWI classification:         None   |
| Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)  |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 🟒 No   |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)   |

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

| Hydrophytic Vegetation Present? | Yes No 🟒   |                                       |          |
|---------------------------------|------------|---------------------------------------|----------|
| Hydric Soil Present?            | Yes 🖌 No 🔄 |                                       |          |
| Wetland Hydrology Present?      | Yes No 🟒   | Is the Sampled Area within a Wetland? | Yes No 🟒 |
| Remarks:                        |            |                                       |          |

Based on the absence of two of three parameters, this area is an upland. Sample point taken where there was a patch of Hordeum jubatum to document wetland absence.

## VEGETATION -- Use scientific names of plants.

| <u>Tree Stratum</u> (Plot size: <u>30' r)</u>                 |     | Dominant<br>Species? | Indicator<br>Status | Dominance Test worksheet:  |                 |             |
|---|-----|----------------------|---------------------|--|-----------------|-------------|
| 1   |     |                      | Status              | Number of Dominant Species Tha<br>Are OBL, FACW, or FAC:                               | <sup>t</sup> 1  | (A)         |
| 2   |     |                      |                     | Total Number of Dominant Specie<br>Across All Strata:                                  | s 2             | (B)         |
| 4   |     |                      |                     | Percent of Dominant Species That<br>Are OBL, FACW, or FAC:                             | 50              | (A/B)       |
|   | 0   | = Total Cov          | er                  | Prevalence Index worksheet:  |                 |             |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15' r</u> )       |     |                      |                     |  |                 |             |
| 1   |     |                      |                     | <u>Total % Cover of:</u>   | <u>Multiply</u> | <u>By:</u>  |
| 2   |     |                      |                     | OBL species 0  | x 1 =           | 0           |
| 3   |     | <u> </u>             |                     | FACW species 0   | x 2 =           | 0           |
| 5.  |     | <u> </u>             |                     | FAC species 63   | x 3 =           | 189         |
|   | 0   | = Total Cov          | er                  | FACU species 103   | x 4 =           | 412         |
| <u>Herb Stratum</u> (Plot size: <u>5' r</u> )                 |     |                      |                     | UPL species 13   | x 5 =           | 65          |
| 1. Hordeum jubatum  | 60  | Yes                  | FAC                 | Column Totals 179  | -<br>(A)        | 666 (B)     |
| 2. Ambrosia artemisiifolia                                    | 50  | Yes                  | FACU                |  |                 | 000 (B)     |
| 3. Symphyotrichum pilosum                                     | 15  | No                   | FACU                | Prevalence Index = B/A =   | 3.7             |             |
| 4. Trifolium hybridum   | 15  | No                   | FACU                | Hydrophytic Vegetation Indicators  | :               |             |
| 5. Cirsium arvense  | 10  | No                   | FACU                | 1- Rapid Test for Hydrophytic  | Vogotatio       | -           |
| 6. <i>Daucus carota</i>                                       | 10  | No                   | UPL                 |  | vegetation      | 1           |
| 7. Elymus repens  | 10  | No                   | FACU                | 2 - Dominance Test is > 50%  |                 |             |
| 8. Asclepias syriaca  | 3   | No                   | FACU                | $3 - Prevalence Index is \le 3.0^{\circ}$  |                 |             |
| 9. Convolvulus arvensis                                       | 3   | No                   | UPL                 | 4 - Morphological Adaptation   | s1 (Provide     | supporting  |
| 10. <i>Rumex crispus</i>                                      | 3   | No                   | FAC                 | data in Remarks or on a separate   |                 | supporting  |
|   | 179 | = Total Cov          | er                  | Problematic Hydrophytic Veg  | etation1/F      | (aia)       |
| <u>Woody Vine Stratum</u> (Plot size: <u>30' r</u> )          |     | -                    |                     |  | etation (E      | xpiairi)    |
| 1   |     | <u> </u>             |                     | <sup>1</sup> Indicators of hydric soil and wetla<br>present, unless disturbed or probl |                 | ogy must be |
| <u>ــــــــــــــــــــــــــــــــــــ</u>                   | 0   | = Total Cov          | er                  | Hydrophytic Vegetation Present?  | Yes I           | No 🟒        |
| Remarks: (Include photo numbers here or on a separate sheet.) |     | -                    |                     | 1  |                 |             |

The criterion for hydrophytic vegetation is not met. Fallow field.

SOIL

| Depth  | Matrix  |  | Redox   | Feature   | s  |   |  |  |
|--|---|--|---|---|--|---|--|--|
| nches)   | Color (moist)   | %  | Color (moist)   | %   | Type <sup>1</sup>  | Loc <sup>2</sup>  | Texture  | Remarks  |
| 0 - 7  | 10YR 2/1  | 100  |   |   |  |   | Clay Loam  |  |
| 7 - 12   | 10YR 2/1  | 95   | 7.5YR 4/6   | 5   | С  | M   | Clay Loam  | Redox concretions  |
| 12 - 19  | 2.5Y 5/2  | 90   | 10YR 5/6  | 10  | С  | M   | Clay   |  |
| 19 - 24  | 2.5Y 5/1  | 80   | 10YR 5/6  | 20  | C  |   | Clay   |  |
| Туре: С =  | Concentration, D = D  | Depletion, RI  | M = Reduced Matrix  | , MS = M  | asked Sa   | nd Grains. <sup>2</sup> Locatio   | on: PL = Pore Lining, M = Matrix   |  |
| lydric Soi   | l Indicators:   |  |   |   |  | Indicators  | for Problematic Hydric Soils <sup>3</sup> :  |  |
| Histo  | osol (A1)   |  | Sandy Gleyed  | d Matrix (  | S4)  | Coas  | st Prairie Redox (A16)   |  |
|  | c Epipedon (A2)   |  | Sandy Redox   |   |  | Dark  | Surface (S7)   |  |
|  | (Histic (A3)  |  | Stripped Mat  |   |  | Iron  | Manganese Masses (F12)   |  |
| -  | ogen Sulfide (A4)   |  | Loamy Muck  |   |  | Very  | Shallow Dark Surface (TF12)  |  |
|  | ified Layers (A5)<br>Muck (A10)   |  | Loamy Gleye<br>Depleted Ma  |   | (FZ)   |   | er (Explain in Remarks)  |  |
|  | eted Below Dark Sur   | face (A11)   | ✓ Redox Dark S  |   | -6)  |   | s of hydrophytic vegetation and  |  |
| •  | Cork Surface (A12)  | ()   | Depleted Dar  | •   | ,  | present, i  | inless disturbed or problematic  |  |
| Sand   | ly Mucky Mineral (S1)   | 1  | Redox Depre   | ssions (F   | 8)   |   |  |  |
| 5 cm   | Mucky Peat or Peat  | (S3)   |   |   |  |   |  |  |
| Restrictive  | Layer (if observed):  |  |   |   |  |   |  |  |
| T  | ype:  |  | None  | _   |  | Hydric Soil Prese   | nt?  | Yes 🟒 No   |
| D  | epth (inches):  |  |   | _   |  | i i june son i rese   |  |  |
| IYDROL   |   | net. Potentia  | ally relict hydric soil.  |   |  |   |  |  |
| The criteri IYDROL Vetland H Primary In Surfa High Satu Wate Sedin Drift   | OGY<br>lydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)   |  | uired: check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres   | apply)<br>er-Stained<br>atic Fauna<br>Aquatic I<br>rogen Sul<br>ized Rhiz<br>ence of R  | a (B13)<br>Plants (B<br>fide Odc<br>cosphere<br>Reduced  | 14)<br>r (C1)<br>s on Living Roots (<br>ron (C4)  | Stunted or Stressec  | (B6)<br>B10)<br>Table (C2)<br>(8)<br>n Aerial Imagery (C9)<br>I Plants (D1)                  |
| The criteri IYDROL Vetland H Primary In Satu Satu Satu Satu In   | OGY<br>lydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)  | of one is req  | uired; check all that<br>Wate<br>True<br>True<br>Oxid<br>Oxid<br>Pres<br>Rece<br>Thin<br>(B7)Gaug   | apply)<br>er-Stained<br>atic Fauna<br>Aquatic I<br>rogen Sul<br>ized Rhiz<br>ence of R  | a (B13)<br>Plants (B<br>fide Odc<br>cosphere<br>Reduced<br>eductior<br>rface (C7<br>l Data (D  | 14)<br>r (C1)<br>s on Living Roots (<br>ron (C4)<br>in Tilled Soils (C6)<br>)<br>9)   | Surface Soil Cracks     Drainage Patterns (     Dry-Season Water 1     Crayfish Burrows (C     Saturation Visible o     Stunted or Stressed  | (B6)<br>B10)<br>Table (C2)<br>(8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>on (D2)       |
| The criteri IYDROL Vetland H Primary In Satu Satu Satu Satu In   | OGY<br>lydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca  | of one is req  | uired; check all that<br>Wate<br>True<br>True<br>Oxid<br>Oxid<br>Pres<br>Rece<br>Thin<br>(B7)Gaug   | apply)<br>er-Stained<br>tic Faun<br>Aquatic I<br>rogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel   | a (B13)<br>Plants (B<br>fide Odc<br>cosphere<br>Reduced<br>eductior<br>rface (C7<br>l Data (D  | 14)<br>r (C1)<br>s on Living Roots (<br>ron (C4)<br>in Tilled Soils (C6)<br>)<br>9)   | Surface Soil Cracks     Drainage Patterns (     Dry-Season Water T     Crayfish Burrows (C     Saturation Visible o     Stunted or Stressed     Geomorphic Positic   | (B6)<br>B10)<br>Table (C2)<br>(8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>on (D2)       |
| The criteri  YDROL Vetland H Primary In Satu Satu Vate Sedin Drift Algal Iron Inun Spar  | OGY<br>lydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca  | of one is req<br>ial Imagery<br>ave Surface                          | uired; check all that<br>Wate<br>True<br>True<br>Oxid<br>Oxid<br>Pres<br>Rece<br>Thin<br>(B7)Gaug   | apply)<br>er-Stained<br>tic Faun<br>Aquatic I<br>rogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>er (Explain                          | a (B13)<br>Plants (B<br>fide Odc<br>cosphere<br>Reduced<br>eductior<br>rface (C7<br>l Data (D  | 14)<br>r (C1)<br>s on Living Roots (<br>ron (C4)<br>in Tilled Soils (C6)<br>)<br>9)<br>arks)  | Surface Soil Cracks     Drainage Patterns (     Dry-Season Water T     Crayfish Burrows (C     Saturation Visible o     Stunted or Stressed     Geomorphic Positic   | (B6)<br>B10)<br>Table (C2)<br>(8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>on (D2)       |
| The criteri<br>YDROL<br>Vetland H<br>Primary In<br>Satu<br>Wate<br>Sedin<br>Drift<br>Algal<br>Iron<br>Inun<br>Spar<br>Sedin<br>Control<br>Inun<br>Inun<br>Spar<br>Sedin<br>Inun<br>Spar<br>Sedin<br>Inun<br>Spar<br>Sedin<br>Inun<br>Spar<br>Sedin<br>Spar<br>Sedin<br>Spar<br>Spar<br>Sedin<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar<br>Spar | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca<br>ervations:   | of one is req<br>ial Imagery<br>ave Surface<br>Ye                    | uired; check all that<br>Wate<br>True<br>Hydr<br>Oxid<br>Pres<br>Rece<br>Thin<br>(B7)Gaug<br>(B8)Othe   | apply)<br>er-Stained<br>atic Fauna<br>Aquatic I<br>rogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>er (Explain<br>De                  | a (B13)<br>Plants (B<br>fide Odc<br>cosphere<br>Reduced<br>eductior<br>rface (C7<br>l Data (D<br>n in Rem  | 14)<br>r (C1)<br>s on Living Roots (<br>ron (C4)<br>in Tilled Soils (C6)<br>)<br>9)<br>arks)<br>es):  | Surface Soil Cracks     Drainage Patterns (     Dry-Season Water T     Crayfish Burrows (C     Saturation Visible o     Stunted or Stressed     Geomorphic Positic   | (B6)<br>B10)<br>Table (C2)<br>(R)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>n (D2)<br>5)  |
| The criteri<br>YDROL<br>Vetland H<br>Primary In<br>Satu<br>Wate<br>Sedii<br>Drift<br>Algal<br>Iron<br>Iron<br>Spar<br>Field Obse<br>Surface W<br>Vater Tab   | OGY<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conce<br>ervations:<br>ater Present?  | of one is req<br>ial Imagery<br>ave Surface<br>Ye                    | uired: check all that<br>Wate<br>True<br>True<br>No<br>Rece<br>Thin<br>(B7)Gaug<br>(B8)Othe<br>SNo✓   | apply)<br>er-Stained<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>er (Explain<br>De<br>De             | a (B13)<br>Plants (B<br>fide Odc<br>cosphere<br>Reduced<br>eductior<br>rface (C7<br>l Data (D<br>n in Rem<br>pth (inch                           | 14)<br>r (C1)<br>s on Living Roots (<br>ron (C4)<br>in Tilled Soils (C6)<br>)<br>9)<br>arks)<br>es):<br>es):                                  | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (0<br>C3)Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positio<br>FAC-Neutral Test (D                                 | (B6)<br>B10)<br>Table (C2)<br>(R)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>on (D2)<br>5) |
| The criteri<br>YDROL<br>Vetland H<br>Primary In<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Drift<br>Algal<br>Iron<br>Inun<br>Spar<br>Sield Obse<br>Surface W<br>Vater Tab<br>Saturation  | OGY<br>lydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca<br>ervations:<br>ater Present?<br>le Present?  | of one is req<br>ial Imagery<br>ave Surface<br>Ye<br>Ye              | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Thin<br>(B7)Gaug<br>(B8)Othe<br>esNo✓  | apply)<br>er-Stained<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>er (Explain<br>De<br>De             | a (B13)<br>Plants (B<br>fide Odc<br>osphere<br>Reduced<br>eductior<br>rface (C7<br>l Data (D<br>n in Rem<br>pth (inch                            | 14)<br>r (C1)<br>s on Living Roots (<br>ron (C4)<br>in Tilled Soils (C6)<br>)<br>9)<br>arks)<br>es):<br>es):                                  | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (0<br>C3)Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positio<br>FAC-Neutral Test (D                                 | (B6)<br>B10)<br>Table (C2)<br>(8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>n (D2)<br>5)  |
| The criteri<br>IYDROL<br>Netland H<br>Primary In<br>Satu<br>Satu<br>Satu<br>Sedii<br>Drift<br>Algal<br>Inun<br>Spar<br>Field Obse<br>Surface W<br>Nater Tab<br>Saturatior<br>includes c  | OGY<br>lydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca<br>ervations:<br>ater Present?<br>le Present?<br>a Present?<br>capillary fringe)                         | of one is req<br>ial Imagery<br>ave Surface<br>Ye<br>Ye              | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Pres<br>Pres<br>Pres<br>Thin<br>(B7)Gaug<br>(B8)Othe<br>esNo✓<br>esNo✓                         | apply)<br>er-Stained<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>nt Iron R<br>Muck Su<br>ge or Wel<br>er (Explain<br>De<br>De<br>De       | a (B13)<br>Plants (B<br>fide Odc<br>cosphere<br>deductior<br>rface (C7<br>I Data (D<br>n in Rem<br>pth (inch<br>pth (inch                        | 14)<br>r (C1)<br>s on Living Roots (<br>ron (C4)<br>in Tilled Soils (C6)<br>)<br>9)<br>arks)<br>es):<br>es):<br>es):                          | Surface Soil Cracks     Drainage Patterns (     Dry-Season Water T     Crayfish Burrows (C     Saturation Visible o     Stunted or Stressed     Geomorphic Positic     FAC-Neutral Test (D     Wetland Hydrology Prese | (B6)<br>B10)<br>Table (C2)<br>(R)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>n (D2)<br>5)  |
| The criteri<br>YDROL<br>Vetland H<br>Primary In<br>Satu<br>Satu<br>Satu<br>Sedii<br>Orift<br>Algal<br>Iron<br>Inun<br>Spar<br>Field Obse<br>Surface W<br>Nater Tab<br>Saturatior<br>includes co<br>Describe F  | OGY<br>lydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca<br>ervations:<br>ater Present?<br>le Present?  | of one is req<br>ial Imagery<br>ave Surface<br>Ye<br>Ye<br><u>Ye</u> | uired; check all that<br>Wate<br>Aqua<br>True<br>Hydr<br>Oxid<br>Press<br>Rece<br>Thin<br>(B7) Gaug<br>(B8) Othe<br>ss No 🖌<br>ss No 🖌<br>onitoring well, aeria | apply)<br>er-Stained<br>atic Fauna<br>Aquatic I<br>ogen Sul<br>ized Rhiz<br>ence of R<br>mt Iron R<br>Muck Su<br>ge or Wel<br>er (Explain<br>De<br>De<br>De<br>De | a (B13)<br>Plants (B<br>fide Odc<br>cosphere<br>teduced<br>eductior<br>rface (C7<br>I Data (D<br>n in Rem<br>pth (inch<br>pth (inch<br>pth (inch | 14)<br>r (C1)<br>s on Living Roots (<br>ron (C4)<br>in Tilled Soils (C6)<br>)<br>9)<br>arks)<br>es):<br>es):<br>es):<br>s inspections), if av | Surface Soil Cracks     Drainage Patterns (     Dry-Season Water T     Crayfish Burrows (C     Saturation Visible o     Stunted or Stressed     Geomorphic Positic     FAC-Neutral Test (D     Wetland Hydrology Prese | (B6)<br>B10)<br>Table (C2)<br>(8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>n (D2)<br>5)  |
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South

| Applicant/Owner:         Foxconn         State:         Sampling Point:         SP-07           Investigator(s):         Ron Londre         Section, Township, Range:         \$32-T03N-R22E         Sampling Point:         SP-07  |   |
|---|---|
| Investigator(s): Pop Londro Section Township Pango: \$22 TO2N P225  |   |
| Section, Tombondie Section, Township, Range. 552-105N-R22E  |   |
| Landform (hillslope, terrace, etc.):     Flat plain     Local relief (concave, convex, none):     Flat  |   |
| Slope (%):         1-3         Lat:         42.67266         Long:         -87.91868         Datum:         WGS84   |   |
| Soil Map Unit Name: Varna silt loam, 2 to 6 percent slopes WWI classification: None   |   |
| Are climatic/hydrologic conditions on the site typical for this time of year? Yes No 🗹 (If no, explain in Remarks.)   |   |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 🟒 Normal Circumstances and the second sec | 0 |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  |   |

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

| Hydrophytic Vegetation Present? | Yes No 🟒   |                                       |          |
|---------------------------------|------------|---------------------------------------|----------|
| Hydric Soil Present?            | Yes 🖌 No _ |                                       |          |
| Wetland Hydrology Present?      | Yes No 🟒   | Is the Sampled Area within a Wetland? | Yes No 🟒 |
| RReemmaarrkkss::                |            |                                       |          |

Based on the absence of two of three parameters, this area is an upland.

## VEGETATION -- Use scientific names of plants.

| <u>Tree Stratum</u> (Plot size: <u>30' r)</u>                 |     | Dominant<br>Species? | Indicator<br>Status | Dominance Test worksheet:  |                         |                 |
|---|-----|----------------------|---------------------|--|-------------------------|-----------------|
| 1   |     |                      | 510105              | Number of Dominant Species That<br>Are OBL, FACW, or FAC:                                | 1                       | (A)             |
| 2   |     | <u> </u>             |                     | Total Number of Dominant Species   | 4                       | (P)             |
| 3.  |     | ·                    |                     | Across All Strata:   | 4                       | (B)             |
| 4<br>5  |     |                      |                     | Percent of Dominant Species That<br>Are OBL, FACW, or FAC:                               | 25                      | (A/B)           |
|   | 0   | = Total Cove         | er                  | Prevalence Index worksheet:  |                         |                 |
| Sapling/Shrub Stratum (Plot size: 15' r)                      |     |                      |                     | Total % Cover of:  | Multiply                | Bv:             |
| 1   |     | <u> </u>             |                     |  |                         | •               |
| 2   |     | <u> </u>             |                     | OBL species 0  | x 1 =                   | 0               |
| 3   |     | ·                    |                     | FACW species 0   | x 2 =                   | 0               |
| 5.  |     | · ·                  |                     | FAC species 33   | x 3 =                   | 99              |
|   | 0   | = Total Cove         | er                  | FACU species 95  | x 4 =                   | 380             |
| <u>Herb Stratum</u> (Plot size: <u>5' r</u> )                 |     |                      |                     | UPL species 32   | x 5 =                   | 160             |
| 1. Trifolium hybridum   | 40  | Yes                  | FACU                | Column Totals 160  | -                       | (20 (D)         |
| 2. Daucus carota  | 27  | Yes                  | UPL                 | Column Totals 160  | (A)                     | 639 (B)         |
| 3. <i>Poa pratensis</i>                                       | 20  | Yes                  | FAC                 | Prevalence Index = B/A =   | 4                       |                 |
| 4. Symphyotrichum pilosum                                     | 20  | Yes                  | FACU                | Hydrophytic Vegetation Indicators:   |                         |                 |
| 5. Sonchus arvensis   | 15  | No                   | FACU                |  |                         |                 |
| 6. Taraxacum officinale                                       | 15  | No                   | FACU                | 1- Rapid Test for Hydrophytic  | vegetation              | 1               |
| 7. Rumex crispus  | 8   | No                   | FAC                 | 2 - Dominance Test is > 50%  |                         |                 |
| 8. Ambrosia trifida   | 5   | No                   | FAC                 | 3 - Prevalence Index is $\leq 3.0^1$   |                         |                 |
| 9. <i>Convolvulus arvensis</i>                                | 5   | No                   | UPL                 | 4 - Morphological Adaptations  | 1 (Drovido              | cupporting      |
| 10. <i>Circaea canadensis</i>                                 | 5   | No                   | FACU                | data in Remarks or on a separate s   |                         | supporting      |
|   | 160 | = Total Cove         | er                  | Problematic Hydrophytic Vege   | etation <sup>1</sup> (E | (nlain)         |
| <u>Woody Vine Stratum</u> (Plot size: <u>30' r</u> )          |     |                      |                     |  |                         |                 |
| 1   |     |                      |                     | <sup>1</sup> Indicators of hydric soil and wetlar<br>present, unless disturbed or proble |                         | gy must be      |
| 2   | 0   | = Total Cov          | er                  | Hydrophytic Vegetation Present?  | Yes N                   | lo _ <b>/</b> _ |
| Remarks: (Include photo numbers here or on a separate sheet.) |     |                      |                     | 1  |                         |                 |

The criterion for hydrophytic vegetation is not met. Fallow field.

SOIL

|  | Color (maint)   | %  |  | x Feature  |  | 1.0.02   |   | Texture   | Domorika   |
|--|---|--|--|--|--|--|---|---|--|
| nches)<br>0 - 6  | Color (moist)<br>10YR 3/2   | 100  | Color (moist)  | %  | Type <sup>1</sup>  | Loc <sup>2</sup>   |   | Texture<br>Clay Loam  | Remarks  |
| 6 - 10   | 10YR 3/1  | 98   | 7.5YR 5/6  | 2  | С  |  |   | Clay Loam   | Redox concretions  |
| 10 - 24  | 10YR 5/3  | 88   | 10YR 5/6   | 10   | C  |  |   | Clay  |  |
| 10 - 24  | 1011(3/3  |  | 10YR 5/2   | 2  | D  |  |   | city  |  |
|  |   |  |  |  |  |  |   |   |  |
| <br>Type: C =  | Concentration, D = D  | epletion, R  | M = Reduced Matrix   | , MS = M   | asked Sa   | ind Grains. <sup>2</sup> Lo  | cation: PL =  | Pore Lining, M = Matrix.  |  |
| lydric Soi   | Indicators:   |  |  |  |  | Indica   | tors for Pro  | blematic Hydric Soils <sup>3</sup> :  |  |
| Histo  | osol (A1)   |  | Sandy Gleye  | d Matrix (   | (S4)   |  | Coast Prairi  | e Redox (A16)   |  |
| Histi  | c Epipedon (A2)   |  | Sandy Redox  | (S5)   |  |  | Dark Surfac   | e (S7)  |  |
|  | (Histic (A3)  |  | Stripped Ma  |  |  |  | Iron-Manga  | nese Masses (F12)   |  |
| -  | ogen Sulfide (A4)   |  | Loamy Muck   |  |  |  | Very Shallov  | v Dark Surface (TF12)   |  |
|  | ified Layers (A5)<br>Muck (A10)   |  | Loamy Gleye  |  | (F2)   |  |   | ain in Remarks)   |  |
|  | eted Below Dark Sur   | face (A11)   | Redox Dark   |  | F6)  |  |   | 1, 5, 0   | l wetland hydrology must l   |
|  | Dark Surface (A12)  |  | Depleted Da  |  |  | prese  | nt, unless d  | isturbed or problematic   |  |
|  | y Mucky Mineral (S1)  | )  | Redox Depre  |  |  |  |   |   |  |
| 5 cm   | Mucky Peat or Peat  | (S3)   |  |  |  |  |   |   |  |
| Restrictive  | Layer (if observed):  |  |  |  |  |  |   |   |  |
| Т  | ype:  |  | None   | _  |  | Hydric Soil Pi   | ocont?  |   | Yes 🖌 No   |
| D  | epth (inches):  |  |  | _  |  | riyune son n   | esent:  |   |  |
| he criteri   | on for hydric soil is n<br>OGY  | net. Potenti   | ally a relict hydric so  | bil.   |  |  |   |   |  |
| The criteri  |   |  | uired; check all that<br>Wat<br>Aqu<br>True  | <u>t <b>apply)</b></u><br>er-Staine<br>atic Faun   | a (B13)<br>Plants (B   | 14)  | <br>  | econdary Indicators (mi<br>Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C  | B10)<br>Table (C2)   |
| The criteri<br>IYDROL<br>Netland H<br>Primary Ir<br>Satu<br>Satu<br>Wate<br>Sedin<br>Drift   | OGY<br>ydrology Indicators:<br>dicators (minimum c<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)   |  | uired; check all that<br>Wat<br>Aqu<br>True<br>Hyd<br>Oxic   | <u>t apply)</u><br>er-Staine<br>atic Faun<br>Aquatic<br>rogen Su   | a (B13)<br>Plants (B<br>lfide Odo<br>zosphere  | 14)<br>or (C1)<br>is on Living Ro  | -   | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed  | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>I Plants (D1)                  |
| The criteri<br>IYDROL<br>Netland H<br>Primary Ir<br>Satu<br>Satu<br>Wate<br>Sedin<br>Drift<br>Algai  | OGY<br>ydrology Indicators:<br>dicators (minimum c<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)  |  | uired; check all that<br>Wat<br>True<br>True<br>Hyd<br>Oxic<br>Pres<br>Rece  | t apply)<br>er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ience of F<br>ent Iron R  | a (B13)<br>Plants (B<br>lfide Odo<br>zosphere<br>Reduced<br>Reductior  | 14)<br>or (C1)<br>is on Living Ro<br>Iron (C4)<br>n in Tilled Soils  | -<br>-<br>-<br>ots (C3)<br>-  | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positic                        | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>m (D2)        |
| The criteri<br>IYDROL<br>Vetland H<br>Primary Ir<br>Satu<br>Satu<br>Satu<br>Sedii<br>Drift<br>Algai<br>Iron  | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)  | of one is req  | uired; check all that<br>Wat<br>True<br>True<br>Hyd<br>Oxic<br>Pres<br>Rece<br>Thin  | t apply)<br>er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron R<br>Muck Su  | a (B13)<br>Plants (E<br>lfide Odo<br>zosphere<br>Reduced<br>Reductior<br>irface (C   | 14)<br>or (C1)<br>is on Living Ro<br>Iron (C4)<br>n in Tilled Soils<br>7)  | -<br>-<br>-<br>ots (C3)<br>-  | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed  | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>m (D2)        |
| The criteri<br>IYDROL<br>Vetland H<br>Primary Ir<br>Satu<br>Satu<br>Satu<br>Sedii<br>Drift<br>Algal<br>Iron<br>Inun  | OGY<br>ydrology Indicators:<br>dicators (minimum c<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)  | of one is req  | uired; check all that<br>Wat<br>True<br>True<br>Hyd<br>Oxic<br>Pres<br>Rece<br>Thin<br>(B7)Gau   | t apply)<br>er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ience of F<br>ent Iron R  | a (B13)<br>Plants (B<br>lfide Odd<br>zosphere<br>Reduced<br>Reductior<br>urface (C<br>ll Data (D   | 14)<br>or (C1)<br>is on Living Ro<br>Iron (C4)<br>n in Tilled Soils<br>7)<br>99)   | -<br>-<br>-<br>ots (C3)<br>-  | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positic                        | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>m (D2)        |
| The criteri<br>YDROL<br>Vetland F<br>Trimary Ir<br>Satu<br>Satu<br>Satu<br>Sedii<br>Drift<br>Algai<br>Iron<br>Inun<br>Spar   | OGY<br>ydrology Indicators:<br>dicators (minimum c<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>rr Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca  | of one is req  | uired; check all that<br>Wat<br>True<br>True<br>Hyd<br>Oxic<br>Pres<br>Rece<br>Thin<br>(B7)Gau   | t apply)<br>er-Staine-<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron R<br>Muck Su<br>ge or Wel                                      | a (B13)<br>Plants (B<br>lfide Odd<br>zosphere<br>Reduced<br>Reductior<br>urface (C<br>ll Data (D   | 14)<br>or (C1)<br>is on Living Ro<br>Iron (C4)<br>n in Tilled Soils<br>7)<br>99)   | -<br>-<br>-<br>ots (C3)<br>-  | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positic                        | (B6)<br>B10)<br>Table (C2)<br>8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>nn (D2)      |
| The criteri<br>IYDROL<br>Vetland H<br>Primary Ir<br>Satu<br>Satu<br>Wate<br>Sedii<br>Drift<br>Algal<br>Iron<br>Inun<br>Spar<br>Field Obse  | OGY<br>ydrology Indicators:<br>dicators (minimum c<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>rr Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca  | of one is req<br>ial Imagery<br>ave Surface                          | uired; check all that<br>Wat<br>True<br>True<br>Hyd<br>Oxic<br>Pres<br>Rece<br>Thin<br>(B7)Gau   | t apply)<br>er-Staine-<br>atic Faun<br>Aquatic<br>rogen Sui<br>lized Rhiz<br>ence of F<br>ent Iron R<br>Muck Su<br>ge or Wel<br>er (Explai                       | a (B13)<br>Plants (B<br>lfide Odd<br>zosphere<br>Reduced<br>Reductior<br>urface (C<br>ll Data (D   | 114)<br>or (C1)<br>is on Living Roo<br>Iron (C4)<br>n in Tilled Soils<br>7)<br>99)<br>arks)  | -<br>-<br>-<br>ots (C3)<br>-  | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positic                        | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>m (D2)        |
| The criteri<br>YDROL<br>Vetland F<br>Primary Ir<br>Satu<br>Wate<br>Sedii<br>Drift<br>Alga<br>Iron<br>Inun<br>Spar<br>Sield Obse<br>Surface W   | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca<br>rvations:  | of one is req<br>ial Imagery<br>ave Surface<br>Ye                    | uired; check all that<br>Wat<br>True<br>True<br>Hyd<br>Oxic<br>Pres<br>Rece<br>Thin<br>(B7)Gau,<br>(B8)Othe                                  | t apply)<br>er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron R<br>Muck Su<br>ge or Wel<br>er (Explai                         | a (B13)<br>Plants (E<br>lfide Odd<br>zosphere<br>Reduced<br>Reductior<br>urface (C<br>Il Data (E<br>n in Rem   | 14)<br>or (C1)<br>is on Living Rod<br>Iron (C4)<br>n in Tilled Soils<br>7)<br>9)<br>arks)<br>nes):                                       | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positic                        | (B6)<br>B10)<br>Table (C2)<br>8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>n (D2)<br>5) |
| The criteri<br>YDROL<br>Vetland H<br>Primary In<br>Satu<br>Wate<br>Sedii<br>Drift<br>Algal<br>Iron<br>Iron<br>Spar<br>Gield Obse<br>Surface W<br>Vater Tab   | OGY<br>ydrology Indicators:<br>dicators (minimum of<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca<br>ervations:<br>ater Present?  | of one is req<br>ial Imagery<br>ave Surface<br>Ye                    | uired; check all that<br>  | t apply)<br>er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ience of F<br>ent Iron R<br>Muck Su<br>ge or Wel<br>er (Explai<br>De                  | a (B13)<br>Plants (E<br>lfide Odd<br>zosphere<br>Reduced<br>Reduction<br>Irface (C<br>Il Data (E<br>n in Rem   | 14)<br>or (C1)<br>is on Living Roo<br>Iron (C4)<br>n in Tilled Soils<br>7)<br>99)<br>arks)<br>nes):                                      | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positic<br>FAC-Neutral Test (D | (B6)<br>B10)<br>Table (C2)<br>8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>n (D2)<br>5) |
| The criteri<br>Wetland H<br>Primary In<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Satu<br>Sa | OGY<br>ydrology Indicators:<br>dicators (minimum c<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conce<br>ervations:<br>ater Present?<br>le Present?                                    | of one is req<br>ial Imagery<br>ave Surface<br>Ye<br>Ye              | uired; check all that<br>Wat<br>Aqu<br>True<br>Hyd<br>Oxic<br>Pres<br>Pres<br>Pres<br>Pres<br>Thin<br>(B7) Gau;<br>(B8) Othe<br>s No<br>s No | t apply)<br>er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ience of F<br>ent Iron R<br>Muck Su<br>ge or Wel<br>er (Explai<br>De                  | a (B13)<br>Plants (E<br>lfide Odd<br>zosphere<br>Reduced<br>Reductior<br>urface (C:<br>Il Data (D<br>n in Rem<br>epth (incl  | 14)<br>or (C1)<br>is on Living Roo<br>Iron (C4)<br>n in Tilled Soils<br>7)<br>99)<br>arks)<br>nes):                                      | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positic<br>FAC-Neutral Test (D | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>n (D2)<br>5)  |
| The criteri<br>Wetland H<br>Primary In<br>Satu<br>Satu<br>Satu<br>Satu<br>Sedii<br>Drift<br>Algal<br>Iron<br>Inun<br>Spar<br>Field Obse<br>Surface W<br>Nater Tab<br>Saturatior<br>includes of   | OGY<br>ydrology Indicators:<br>dicators (minimum c<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conca<br>ervations:<br>ater Present?<br>le Present?<br>In Present?<br>apillary fringe) | of one is req<br>ial Imagery<br>ave Surface<br>Ye<br>Ye              | uired; check all that<br>Wat<br>Aqu<br>True<br>Hyd<br>Oxic<br>Pres<br>Pres<br>Pres<br>Pres<br>Thin<br>(B7) Gau;<br>(B8) Othe<br>s No<br>s No | t apply)<br>er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron R<br>Muck Su<br>ge or Wel<br>er (Explai<br>De<br>De             | a (B13)<br>Plants (E<br>lfide Odd<br>zosphere<br>Reduced<br>Reductior<br>urface (C<br>Il Data (D<br>n in Rem<br>epth (incl<br>epth (incl<br>epth (incl                     | 14)<br>or (C1)<br>is on Living Roo<br>Iron (C4)<br>n in Tilled Soils<br>7)<br>19)<br>arks)<br>hes):<br>hes):                             | (C6)  | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positic<br>FAC-Neutral Test (D | (B6)<br>B10)<br>able (C2)<br>8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>n (D2)<br>5)  |
| HYDROL         Wetland H         Primary Ir         Satu         Wate         Sedii         Drift         Algai         Iron         Iron         Field Obse         Surface W         Water Tab         Saturation         (includes of Describe I  | OGY<br>ydrology Indicators:<br>dicators (minimum c<br>ace Water (A1)<br>Water Table (A2)<br>ration (A3)<br>er Marks (B1)<br>ment Deposits (B2)<br>Deposits (B3)<br>Mat or Crust (B4)<br>Deposits (B5)<br>dation Visible on Aer<br>sely Vegetated Conce<br>ervations:<br>ater Present?<br>le Present?                                    | of one is req<br>ial Imagery<br>ave Surface<br>Ye<br>Ye<br><u>Ye</u> | uired; check all that<br>  | t apply)<br>er-Staine<br>atic Faun<br>Aquatic<br>rogen Su<br>lized Rhiz<br>ence of F<br>ent Iron R<br>Muck Su<br>ge or Wel<br>er (Explai<br>De<br>De<br>De<br>De | a (B13)<br>Plants (E<br>lfide Odd<br>zosphere<br>Reduced<br>Reductior<br>urface (C<br>Il Data (D<br>n in Rem<br>epth (incl<br>epth (incl<br>epth (incl<br><b>, previou</b> | 14)<br>or (C1)<br>is on Living Roo<br>Iron (C4)<br>n in Tilled Soils<br>7)<br>99)<br>arks)<br>hes):<br>hes):<br>hes):<br>s inspections), | (C6)  | Surface Soil Cracks<br>Drainage Patterns (<br>Dry-Season Water T<br>Crayfish Burrows (C<br>Saturation Visible o<br>Stunted or Stressed<br>Geomorphic Positic<br>FAC-Neutral Test (D | (B6)<br>B10)<br>Table (C2)<br>8)<br>n Aerial Imagery (C9)<br>I Plants (D1)<br>n (D2)<br>5) |



North

| Project/Site: Parcels 409 & 413                                     | City/County: Mt. Pleasant, Racine Sa             | ampling Date: 2018-07-27 |
|---|--|--------------------------|
| Applicant/Owner: Foxconn  | State:   | Sampling Point: SP-08    |
| Investigator(s): Ron Londre   | Section, Township, Range: S32-T0                 | 3N-R22E                  |
| Landform (hillslope, terrace, etc.): Shallow depression             | Local relief (concave, convex, none):            | Concave                  |
| Slope (%): 0-1 Lat: 42.67266  | Long: -87.91875                                  | Datum: WGS84             |
| Soil Map Unit Name: Varna silt loam, 2 to 6 percent slopes          | vv   | WWI classification: None |
| Are climatic/hydrologic conditions on the site typical for this tin | ne of year? Yes No 🗹 (If no, explain in Remarks  | s.)                      |
| Are Vegetation, Soil, or Hydrology signi                            | ificantly disturbed? Are "Normal Circumstances   | s" present? Yes 🖌 No     |
| Are Vegetation, Soil, or Hydrology natu                             | Irally problematic? (If needed, explain any answ | wers in Remarks.)        |

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

| Hydrophytic Vegetation Present? | Yes 🟒 No   |                                       |            |
|---------------------------------|------------|---------------------------------------|------------|
| Hydric Soil Present?            | Yes 🖌 No _ |                                       |            |
| Wetland Hydrology Present?      | Yes 🖌 No   | Is the Sampled Area within a Wetland? | Yes 🖌 No _ |
| Remarks:                        |            |                                       |            |

Based on the presence of all three parameters, this area is a wetland. Sample point located in crop slide review Area B. Fieldwork was conducted during the dry season and primary indicators of wetland hydrology are not observable. Wetland ID: W-2

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

| <u>Tree Stratum</u> (Plot size: <u>30' r)</u>                 |     | Dominant<br>Species? | Indicator<br>Status | Dominance Test works                           | heet:               |                         |            |
|---|-----|----------------------|---------------------|--|---------------------|-------------------------|------------|
| 1. Acer saccharinum   | 40  | Yes                  | FACW                | Number of Dominant S<br>Are OBL, FACW, or FAC  |                     | 4                       | (A)        |
| 2.  |     |                      |                     |  |                     |                         |            |
| 3   |     |                      |                     | Total Number of Domir<br>Across All Strata:    | hant Species        | 5                       | (B)        |
| 4<br>5  |     | ·                    |                     | Percent of Dominant S<br>Are OBL, FACW, or FAC |                     | 80                      | (A/B)      |
| Carling (Chards Starture (Distribute AFLe)                    | 40  | = Total Cov          | er                  | Prevalence Index work                          | sheet:              |                         |            |
| Sapling/Shrub Stratum (Plot size: <u>15' r</u> )              | 45  | X                    | 54.6                | Total % Cover                                  | of                  | Multiply                | D\r        |
| 1. Rhamnus cathartica   |     | Yes                  | FAC                 |  | <u>01.</u>          | wattpiy                 | <u>ру.</u> |
| 2. Acer saccharinum   | 5   | Yes                  | FACW                | OBL species                                    | 0                   | x 1 =                   | 0          |
| 3. Cornus amomum  | 3   | No                   | FACW                | FACW species                                   | 48                  | x 2 =                   | 96         |
| 4   |     |                      |                     |  |                     | -                       |            |
| 5   |     |                      |                     | FAC species                                    | 60                  | x 3 =                   | 180        |
|   | 23  | = Total Cov          | er                  | FACU species                                   | 59                  | x 4 =                   | 236        |
| <u>Herb Stratum</u> (Plot size: <u>5' r</u> )                 |     |                      |                     | UPL species                                    | 10                  | x 5 =                   | 50         |
| 1. Poa compressa  | 40  | Yes                  | FACU                |  |                     | -                       |            |
| 2. Poa pratensis  | 40  | Yes                  | FAC                 | Column Totals                                  | 177                 | (A)                     | 562 (B)    |
| 3. Symphyotrichum pilosum                                     | 10  | No                   | FACU                | Prevalence Ir                                  | ndex = B/A =        | 3.2                     |            |
| 4. Daucus carota  | 10  | No                   | UPL                 | Hydrophytic Vegetatior                         | n Indicators:       |                         |            |
| 5. Ambrosia trifida   | 5   | No                   | FAC                 |  |                     |                         |            |
| 6. Arctium minus  | 3   | No                   | FACU                | 1- Rapid Test for H                            | -lydrophytic \      | /egetatior              | 1          |
| 7. Circaea canadensis   | 3   | No                   | FACU                | 2 - Dominance Te                               | st is >50%          |                         |            |
| 8. <i>Taraxacum officinale</i>                                | 3   | No                   | FACU                | 3 - Prevalence Ind                             | lex is $\leq 3.0^1$ |                         |            |
| 9.  |     |                      |                     |  |                     |                         |            |
| 10.   |     | ·                    |                     | 4 - Morphological data in Remarks or on        |                     |                         | supporting |
|   | 114 | = Total Cov          | er                  |  | •                   |                         |            |
| <u>Woody Vine Stratum (Plot size: 30' r)</u>                  |     | -                    |                     | Problematic Hydr                               | ophytic Vege        | tation <sup>1</sup> (E) | (plain)    |
| 1.  |     |                      |                     | <sup>1</sup> Indicators of hydric so           |                     |                         | gy must be |
| 2.  |     | ·                    |                     | present, unless disturb                        | ed or proble        | matic                   |            |
|   | 0   | = Total Cov          | er                  | Hydrophytic Vegetation                         | Present?            | /es 🖌 N                 | 10         |
| Remarks: (Include photo numbers here or on a separate sheet.) |     |                      |                     |  |                     |                         |            |

The criterion for hydrophytic vegetation is met. Fresh (Wet) Meadow plant community. Wetland is part in agricultural field edge tree line.

| SO | IL |
|----|----|
|    |    |

| nches) Color (moist)                                     |                 | Color (moist)                | %                       | Type <sup>1</sup> | Loc <sup>2</sup> |                            | Texture   | Remarks                |
|--|-----------------|------------------------------|-------------------------|-------------------|------------------|----------------------------|---|------------------------|
| 0 - 6 10YR 3/1   | <u>%</u><br>95  | 7.5YR 5/6                    | 5                       | <u>турс</u><br>С  | M                | Sa                         | andy Clay Loam  | Kentarks               |
| 6 - 8 10YR 3/1   | 85              | 7.5YR 5/6                    | 10                      | C                 | M                |                            | Sandy Clay  |                        |
| 5-8  |                 | 2.5YR 5/2                    | 5                       | <br>D             | M                |                            | Sanay elay  |                        |
| 3 - 20 10YR 5/3  | 90              | 10YR 5/6                     | 5                       | <u>C</u>          | M                |                            | Clay  |                        |
| 3 - 20   |                 | 10YR 5/2                     | 5                       |                   | M                |                            |   |                        |
|  |                 |                              |                         |                   |                  |                            |   |                        |
| ype: C = Concentration, D =                              | Depletion R     | A = Reduced Matrix           | MS = Ma                 | asked Sa          | nd Grains        | <sup>2</sup> l ocation: Pl | = Pore Lining M = Matrix                                  |                        |
| ydric Soil Indicators:                                   | B opietion, iti | in Reddeed matrix,           |                         | ionea oa          |                  |                            | Problematic Hydric Soils <sup>3</sup> :                   |                        |
| Histosol (A1)  |                 | Sandy Gleyed                 | d Matrix (              | S4)               |                  |                            | irie Redox (A16)  |                        |
| Histic Epipedon (A2)                                     |                 | Sandy Redox                  |                         | ,                 |                  | Dark Surfa                 |   |                        |
| Black Histic (A3)  |                 | Stripped Mat                 | rix (S6)                |                   |                  |                            | ganese Masses (F12)                                       |                        |
| Hydrogen Sulfide (A4)                                    |                 | Loamy Muck                   | -                       |                   | -                | Very Shall                 | ow Dark Surface (TF12)                                    |                        |
| Stratified Layers (A5)                                   |                 | Loamy Gleye                  |                         | (F2)              | -                | Other (Ex                  | plain in Remarks)   |                        |
| 2 cm Muck (A10)  |                 | Depleted Ma                  |                         |                   | 3                | Indicators of h            | ydrophytic vegetation and                                 | wetland hydrology must |
| Depleted Below Dark Si<br>Thick Dark Surface (A12        |                 | Redox Dark S<br>Depleted Dar |                         |                   | I                | oresent, unless            | disturbed or problematic.                                 |                        |
| Sandy Mucky Mineral (S                                   | -               | Redox Depre                  |                         |                   |                  |                            |   |                        |
| 5 cm Mucky Peat or Pea                                   |                 |                              | 5510115 (1              | 0)                |                  |                            |   |                        |
| estrictive Layer (if observed                            |                 |                              |                         |                   | <u> </u>         |                            |   |                        |
| Type:  | -               | ompact clay                  |                         |                   |                  |                            |   |                        |
| Depth (inches):  |                 | 8                            | -                       |                   | Hydric S         | oil Present?               |   | Yes 📝 No               |
| etland Hydrology Indicator                               |                 |                              |                         |                   |                  |                            |   |                        |
| rimary Indicators (minimun                               | n of one is req |                              |                         |                   |                  |                            | Secondary Indicators (mini                                | •                      |
| Surface Water (A1)                                       |                 |                              | r-Stained               |                   | (B9)             |                            | Surface Soil Cracks (B                                    | -                      |
| High Water Table (A2)<br>Saturation (A3)                 |                 |                              | tic Fauna<br>Aquatic F  |                   | 14)              |                            | Drainage Patterns (B <sup>*</sup><br>Dry-Season Water Tal |                        |
| Water Marks (B1)   |                 |                              | ogen Sulf               |                   |                  |                            | Crayfish Burrows (C8)                                     |                        |
| Sediment Deposits (B2)                                   |                 | •                            | -                       |                   |                  | g Roots (C3)               | Saturation Visible on                                     |                        |
| Drift Deposits (B3)                                      |                 | Prese                        |                         | •                 |                  |                            | Stunted or Stressed F                                     | Plants (D1)            |
| Algal Mat or Crust (B4)                                  |                 |                              |                         |                   | in Tilled S      | Soils (C6)                 | Geomorphic Position                                       |                        |
| Iron Deposits (B5)                                       |                 |                              | Muck Sur                |                   |                  |                            | FAC-Neutral Test (D5)                                     |                        |
| Inundation Visible on A<br>Sparsely Vegetated Cor        | 0,              | 0                            | e or Well<br>r (Explair |                   |                  |                            |   |                        |
| eld Observations:  |                 |                              |                         |                   | ,                |                            |   |                        |
| urface Water Present?                                    | Ye              | sNo 🖌                        | Der                     | oth (inche        | es):             |                            |   |                        |
| /ater Table Present?                                     |                 | s No _                       |                         | oth (inche        | -                |                            | Wetland Hydrology Presen                                  | t? Yes 🖌 No _          |
| aturation Present?                                       |                 |                              |                         | oth (inche        |                  |                            |   | _                      |
| ncludes capillary fringe)                                | Ye              | s No <b>/</b>                |                         |                   | ,                |                            |   |                        |
| leiddeb capillai y llilligey                             |                 |                              | nhotos                  | nrevious          | inspectio        | ns) if available           | e'  |                        |
| escribe Recorded Data (str                               | ann gauge, m    | 0                            | •                       | •                 | •                | nis), ii availabi          | е.  |                        |
| escribe Recorded Data (stro<br>ISGS topo map, contour ma | p, NRCS soils ı | map, WWI map, aeri           | al imagei               | ry, WETS          | Analysis         |                            |   |                        |



North

Appendix F: Professional Opinion on Wetland Susceptibility

## Table 4: Opinion of Susceptibility for NR 151 Setback Purposes

Note: Final authority on NR 151 protective areas rests with WDNR, but the following is TRC's opinion of each wetland's NR 151 protective area category.

| Wetland # | Least              | Moderately         | <u>Highly</u>      |
|-----------|--------------------|--------------------|--------------------|
|           | <u>Susceptible</u> | <u>Susceptible</u> | <u>Susceptible</u> |
| W-1       | х                  |                    |                    |
| W-2       | X1                 |                    |                    |

## Definitions of Susceptibility Per WDNR Administrative Code:

<u>Least Susceptible</u>: Degraded wetlands dominated by invasive species ( $\geq$  90%) such as reed canary grass. Protective area = 10% of avg wetland width, but no less than 10' or more than 30'.

<u>Moderately Susceptible</u>: Fens, sedge meadows, bogs, low prairies, conifer swamps, shrub swamps, other forested wetlands, fresh wet meadows, shallow marshes, deep marshes and seasonally flooded basins. Protective area = 50'.

<u>Highly Susceptible:</u> Outstanding/exceptional resource waters, wetlands in areas of special natural resource interest as specificed in s. NR 103.04. Protective area = 75'.

<sup>1</sup> W-1 is a wetland located in a roadside ditch, which is intended to convey stormwater. Consultation with WDNR Stormwater Program staff is recommended to evaluate wether setback requirements apply.