

**April 30, 2026**

**U.S. Army Corps of Engineers – Chicago District**

To Whom It May Concern,

Area M Consulting (Area M), on behalf of SV CSG Welter Road Solar, LLC conducted a field wetland delineation within the proposed SV CSG Welter Road Solar, LLC (Project) located near Lily Lake in Kane County.

**Two** wetlands were identified and mapped during the field delineation. As proposed, the Project will include posts supporting photovoltaic arrays, an access road, various equipment pads, vegetative screening, fencing, and an infiltration pond. All Project components are designed to avoid wetlands. We submit the enclosed wetland determination report, along with the Project footprint and design, to support our **request for a letter of No Permit Required**.

If you have any questions about the wetland determination, please contact me at (208) 241-5280.

Sincerely,

Jonathan Knudsen, WDC, MS  
Field Director/Wetland Specialist  
Area M Consulting

**AREAM**

**Wetland Delineation Report**  
**SV CSG Welter Road Solar, LLC**  
*Kane County, Illinois*



**Prepared for:**

*Sunvest Solar LLC  
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**Prepared by:**

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*April 2026*

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I certify that, to the best of my knowledge, this wetland delineation and report were completed following current wetland standards as set forth by the USACE, NRCS, and other agencies. Findings in this report represent Area M's best judgement based on conditions and information available at the time of the wetland delineation.

A handwritten signature in black ink, reading "Jonathan Knudsen", positioned above a horizontal line.

Jonathan Knudsen, WDC, MS  
Field Director/Wetland Specialist  
MN Certified Wetland Delineator 1307  
Virginia DPOR Professional Wetland Delineator 3402000205

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## INTRODUCTION

Area M Consulting (Area M) was contracted to conduct a wetland delineation for the SV CSG Welter Road Solar, LLC (Project) located within Kane County, Illinois. The Area M biologist conducted a routine Level 2 Delineation, as defined by the United States Army Corps of Engineers (USACE) within the entire Project boundaries following procedures and methods outlined by the USACE Wetland Delineation Manual (USACE, 1987), Midwest Regional Supplement (USACE, 2012), and Illinois Mapping Conventions protocol (NRCS, 1998). This wetland delineation report is assembled to assist the Client with internal planning and to meet regulatory requirements necessary for permitting a community solar garden (CSG) in Kane County, Illinois for the Illinois Adjustable Block Program.

## PROJECT DESCRIPTION

The Project, encompassing 46.0 acres, is located 1.0 miles southwest of Lily Lake in Section 24, T40N:R6E (Study Area) (Appendix A). The Study Area is located on a flat landform sloping slightly to the west. The entirety of the Study Area is cropped annually and was planted with soybeans in 2025. Open agricultural landforms bound the eastern, northern and southern boundaries, with a wetland as the western boundary. The surrounding landscape is dominated by cropland, with interspersed wetlands, and residential lots. All Project components are proposed to avoid trees, uncropped wetlands, and native vegetation. The entire Study Area is private.

## OFF-SITE REVIEW

Prior to fieldwork, Area M conducted a comprehensive desktop review of data sources to identify the presence/absence and extent of wetlands that could occur within the Study Area. Areas with wetland signatures, suggesting potential wetland conditions, were evaluated in greater detail during the field investigation. The following data sources were reviewed; the analysis of each data set is discussed in greater detail in the later part of this section.

- ☐ Hydrologic soil data
- ☐ Elevation Data
  - Illinois Light Detection and Ranging (LiDAR) Data
  - United States Geological Survey (USGS) topographic maps
- ☐ Mapped Wetlands/Waterbodies
  - U.S. Fish and Wildlife Services (USFWS) National Wetland Inventory (NWI)
  - Illinois Department of Natural Resources (IDNR) Public Waters
  - National Hydrography Dataset (NHD)
- ☐ Historic and current aerial photographs

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### **Mapped Wetland Data**

The NWI (USFWS, 2026), Illinois Public Waters (IDNR, 2026) and NHD (USGS, 2026) data sets were reviewed to document mapped wetlands and/or waterbodies within the Study Area. Area M confirmed the presence of one mapped feature from the NWI data set intersecting the western boundary of the Study Area (Map 3, Appendix A). The Federal Emergency Management Agency (FEMA) flood map was also accessed to determine if the Study Area is intersected by high-risk flood zones (FEMA, 2026). High risk flood zones do not intersect the Study Area (Appendix B).

### **Soils**

The Web Soil Survey (NRCS, 2026) was accessed to summarize mapped soil types which occur within the Study Area. Soil units with hydric components are mapped throughout the Study Area. A full list of hydric soils components and attributes are listed in Appendix C.

### **Topographic Data**

Elevation and topographic data were reviewed within the Study Area to identify potential basins and depressional areas which could be indicative of wetlands. The Study Area is relatively flat, sloping gently to the east towards Union Ditch (Map 4, Appendix A). The total topographic relief of the Study Area is approximately 12 feet.

### **Historic Aerial Photography Review**

Historic aerial photographs (slides) were analyzed for hydric signatures in conjunction with antecedent precipitation, following the Illinois Wetland Mapping Conventions protocol (NRCS, 1997). This procedure is a useful method for identifying wetlands, particularly in farm fields, due to the lack of natural vegetation and/or hydrology. Aerial imagery date, antecedent precipitation (imagery month, 1 month prior, and 2 months prior), and climactic status for each slide are listed below (Table 2). Climatic status (Dry, Normal, or Wet) was determined based on the NRCS/USACE method for using hydrology and meteorological data to evaluate wetland hydrology (Sprecher and Warne, 1997). Upon slide review, two areas (Area 1 and Area 2) showing wetland signatures (potential wetlands) in at least one year were identified within the Study Area (Appendix D). Area 1 is farmed annually, and Area 2 is either unfarmed or hayed. Drain tiles are installed throughout the Study Aea (see Drain Tile report).

**Table 1. Imagery dates and antecedent precipitation status.**

| Imagery Date | Wetland Signature <sup>1</sup> |        | Antecedent Precipitation Status <sup>2</sup> |
|--------------|--------------------------------|--------|----------------------------------------------|
|              | Area 1                         | Area 2 |                                              |
| 4/1993       | No                             | No     | APT down                                     |
| 4/1998       | No                             | No     | APT down                                     |
| 2/2002       | Yes                            | No     | APT down                                     |
| 4/2005       | Yes                            | No     | APT down                                     |
| 6/2006       | No                             | Yes    | APT down                                     |
| 6/2007       | No                             | No     | APT down                                     |
| 10/2007      | No                             | No     | APT down                                     |
| 5/2008       | No                             | No     | APT down                                     |
| 6/2009       | Yes                            | No     | APT down                                     |
| 6/2010       | No                             | No     | APT down                                     |
| 9/2011       | Yes                            | Yes    | APT down                                     |
| 5/2013       | Yes                            | Yes    | APT down                                     |
| 9/2015       | No                             | Yes    | APT down                                     |
| 9/2017       | Yes                            | Yes    | APT down                                     |
| 7/2018       | No                             | No     | APT down                                     |
| 6/2020       | Yes                            | Yes    | APT down                                     |
| 8/2021       | No                             | No     | APT down                                     |
| 7/2023       | No                             | No     | APT down                                     |
| 6/2024       | No                             | Yes    | APT down                                     |

<sup>1</sup>Wetland Mapping Conventions (NRCS, 1998)

<sup>2</sup>Antecedent Precipitation Tool (EPA, 2026)

## Off-site Summary

Overall, the off-site review suggests wetland are not present within the Study Area based on the slide review in conjunction with local topography, NWI, and soil data. However, the APT was offline and classification of slides could not be made. The entire Study Area was investigated in greater detail during the field survey.

## FIELD DELINEATION

### Methodology

Suspected wetlands (Areas) identified during the off-site analysis were investigated in the field using routine on-site delineation methods in accordance with the USACE Wetlands Delineation Manual (USACE, 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0) (USACE, 2010). This included the characterization of vegetation, soils, and hydrology on-site. Wetlands are defined by the USACE as “areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.” For an area to be delineated as a regulated wetland, the vegetative, hydrologic, and soil characteristics must all be present and consistent with federal and state classification criteria.

Transects were established in representative transition zones, perpendicular between suspected wetland and upland areas. Survey Points were recorded along each transect, moving from wetland to upland to determine the wetland boundary. Wetland criteria were evaluated at each Survey Point and a Wetland Determination Form – Midwest Region (Form) was completed. The entire Study Area was surveyed in the field to confirm the absence of additional wetlands.

The location and boundaries of wetland features identified by Area M during field surveys were mapped using a Trimble Geoexplorer 6000 which typically achieves accuracy within 2 feet. A map depicting wetland boundaries, survey points, and transects is included in Appendix A. Representative photos of the Study Area are included in Appendix E. Forms are included in Appendix F.

### **Field Conditions**

Area M conducted a field delineation within the Study Area on April 7, 2026. Field conditions were cool and slightly wet due to recent rains. The temperature was approximately 55 degrees Fahrenheit. The Study Area was plowed at the time of the survey. Antecedent precipitation conditions were normal.

### **Field Review Summary**

Based upon this routine Level 2 Wetland Delineation, it is the professional opinion of Area M, two wetlands are present within the Study Area (Map 5; Appendix A).

#### **Wetland 1 – PEMAf – 0.28**

Wetland 1, within Area 1, is on the edge of a large depression located in the northwestern corner of the Study Area. This basin was identified during off-site review where 7 of 18 slides showed wetland hydrology signatures, indicating this Area is upland. However, the APT was not functioning during review and off-site review was therefore not used to determine wetland presence. Wetland 1 is successfully farmed, sometimes with crop stress, in every aerial slide. The area is also extensively tiled (see Drain Tile Report). At SP 1-1, on the edge of the feature, no primary hydrology indicators were present; only secondary indicators including Geomorphic Position (D2) and Saturation Visible on Aerial Imagery (C9) were observed. The soils were hydric, with a distinct sapric component. The plant community was not evaluated at this location or used as wetland criteria due to cropping. At SP 1-2, in the adjacent upland near the boundary, wetland hydrology indicators were absent. Soils were hydric, but distinctly mineral (A12). The wetland boundary was mapped by averaging the extent of wetland hydrology signatures on aerial slides and following a slight toes slope transition in the field.

#### **Wetland 2 – PEMAf – 0.17 acres**

Wetland 2, within Area 2, is on the edge of a large depression located in the western edge of the Study Area and is associated, if not part of, Wetland 1. This basin was identified during off-site review where 7 of 18 slides showed wetland hydrology signatures, indicating this Area is upland. However, the APT was not functioning during review and off-site review was therefore not used to determine wetland presence. Wetland 2 is successfully farmed, sometimes with crop stress, on every aerial slide. The area is also extensively tiled (see Drain Tile Report). At SP 2-1, on the edge of the feature, no primary hydrology indicators were present; only secondary indicators including Geomorphic Position (D2) and Saturation

Visible on Aerial Imagery (C9) were observed. The soils were hydric, with depleted soils with redox under a thick, dark stratum (A12). The plant community was not evaluated at this location or used as wetland criteria due to cropping. At SP 2-2, in the adjacent upland near the boundary, wetland hydrology indicators were absent. Soils were non-hydric and distinct from those in the wetland. The wetland boundary was mapped following the concave to linear landform transition identified in the field.

## **RESULTS AND RECOMMENDATIONS**

Based upon this routine Level 2 Wetland Delineation, it is the professional opinion of Area M that the Study Area contains two features that satisfy the criteria to be wetlands pursuant to the Army Corps of Engineers' 1987 Manual with subsequent clarification memoranda and pursuant to confirmation by the USACE (Appendix A). Wetland 1 and Wetland 2 are connected and not perennial connected to downstream Waters of the United States, and therefore not jurisdictional under Section 404 of the Clean Water Act (post Sackett vs. EPA ruling). However, only the USACE can make official jurisdictional determinations. The wetlands and wetland boundaries described within this report are characterized based on the conditions in the field at the time of the survey and subject to verification by state, federal, and local agencies, which have final authority over wetland presence, extent, and jurisdictional status.

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## REFERENCES

Federal Emergency Management Agency (FEMA). 2024. Flood Map Service, access at <https://msc.fema.gov/portal/home>

Environmental Laboratory. 1987. *Corp of Engineers Wetlands Delineation Manual*. Wetlands Research Program. Technical Report Y-87-1. Department of the Army, Waterways Experiment Station, US Army Corp of Engineers. Vicksburg, Mississippi, USA.

Environmental Laboratory. 2010. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0)*. U.S. Army Corps of Engineers, U.S. Army Engineer Research and Development Center, Vicksburg, Mississippi, USA.

Environmental Protection Agency (EPA). 2024. Antecedent Precipitation Tool. *Downloaded from:* <https://www.epa.gov/wotus/antecedent-precipitation-tool-apt>

Illinois Department of Natural Resources (IDNR). 2024. Public waters of the State, Ill. Adm. Code Ch. I, Sec. 3704. *Accessed February 2018 from* [www.dnr.illinois.gov/WaterResources/Pages/PublicWaters.aspx](http://www.dnr.illinois.gov/WaterResources/Pages/PublicWaters.aspx)

Natural Resources Conservation Service (NRCS). 2024. Web Soil Survey. (United States Department of Agriculture) *Accessed from* <http://www.websoilsurvey.nrcs.usda.gov>

NRCS. 1998. Illinois wetland mapping conventions. Champaign, Illinois.

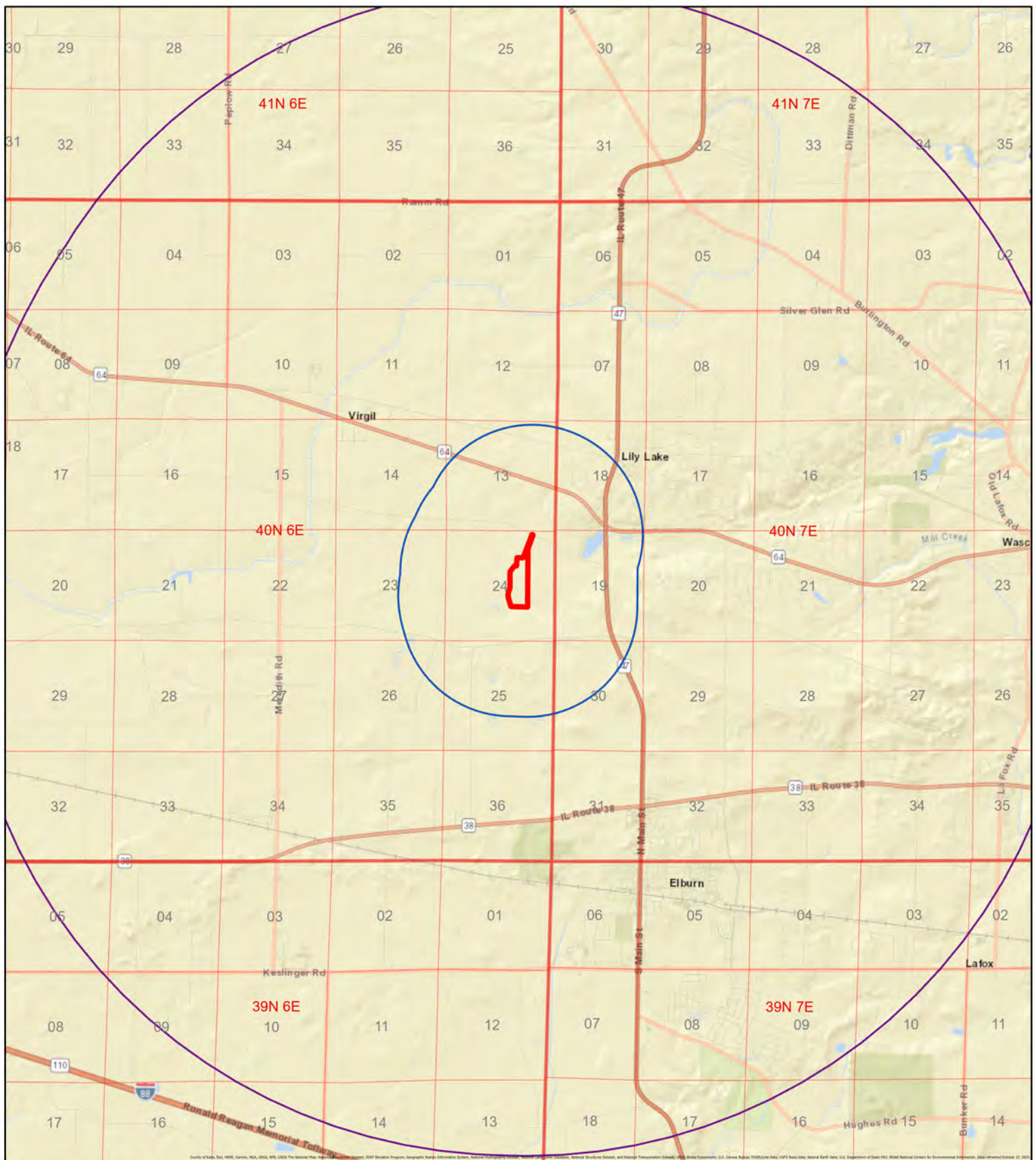
United States Geology Survey (USGS). 2024. National Hydrography Dataset. *Accessed and downloaded February 2018 from* [https://nhd.usgs.gov/NHD\\_High\\_Resolution.html](https://nhd.usgs.gov/NHD_High_Resolution.html)

United States Fish and Wildlife Service (USFWS). 2024. National Wetland Inventory: Wetlands Online Mapper. *Accessed from* <http://www.fws.gov/wetlands/data/mapper.HTML>

Sprecher, S.W. and Andrew G. Warne, A.G., 2000. Accessing and Using Meteorological Data to Evaluate Wetland Hydrology. WRAP Technical Notes Collection, ERDC/EL TR-WRAP-00-1. U.S. Army Engineer Research and Development Center, Vicksburg, MS.

**Appendix A:**

**Maps**



## SV CSG Welter Road Solar, LLC

## Map 1. Location Map

Kane County, IL

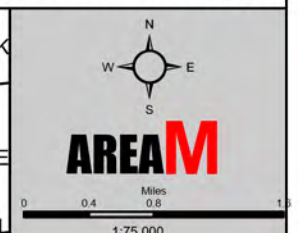
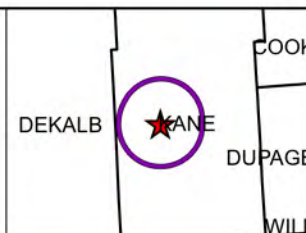
S24 T40N:R6E

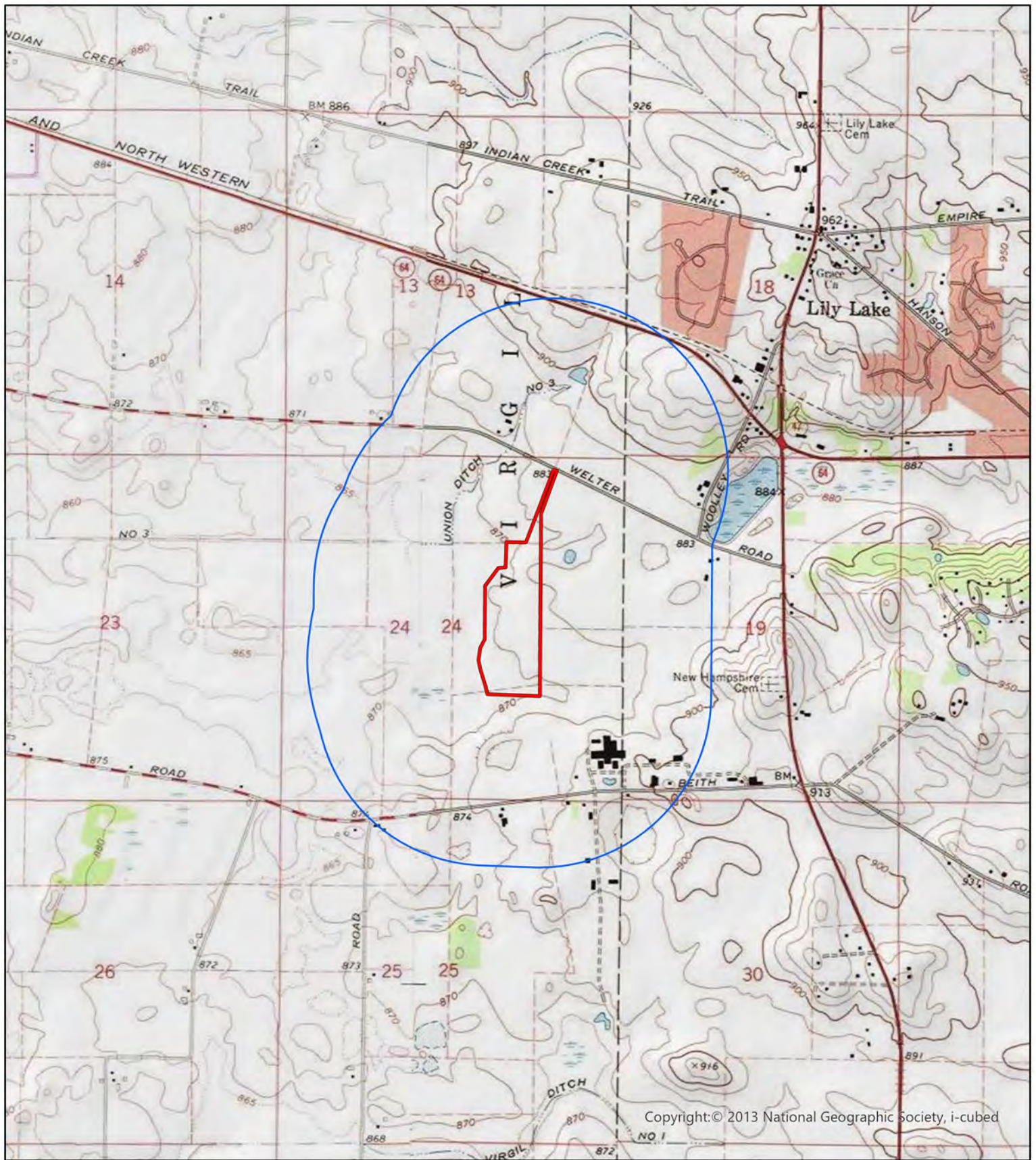
46.0 Acres

41.931856 Lat

-88.494848 Long

- Study Area
- ★ Project Location
- 1-Mile Buffer
- 5-mile Buffer
- Section Line
- Township Line
- County Line



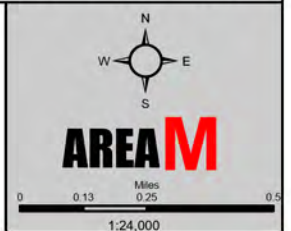


SV CSG Welter Road Solar, LLC

Map 2. 1:24,000 Topographic

Kane County, IL

- Study Area
- 0.5-Mile Buffer



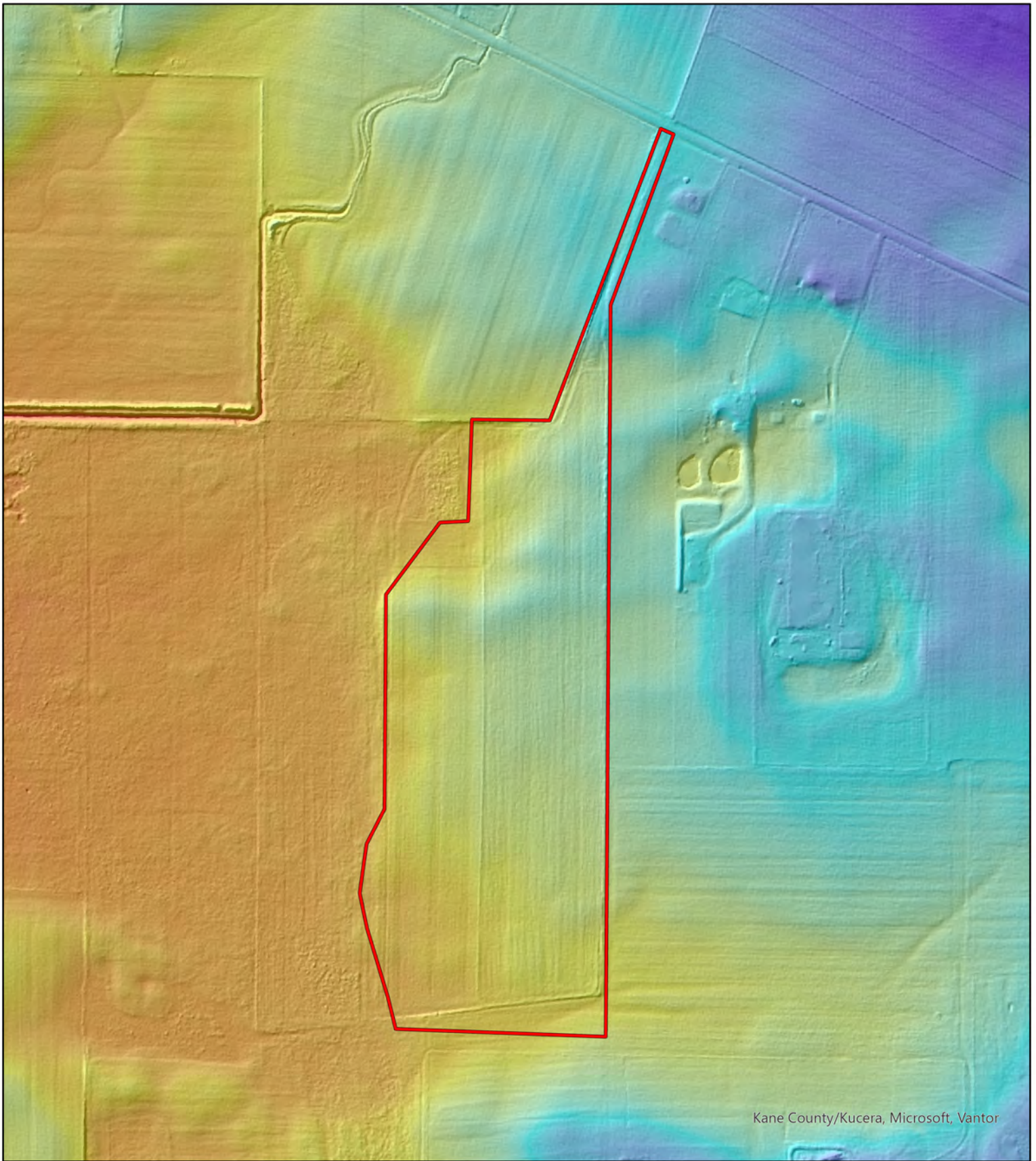


Kane County/Kucera, Microsoft, Vantor

### SV CSG Welter Road Solar, LLC

### Map 3. Wetland Map



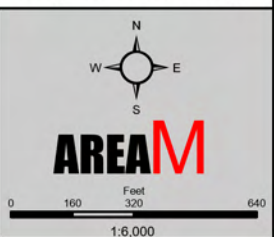


SV CSG Welter Road Solar, LLC

Map 4. Lidar Map

Kane County, IL

 Study Area





SV CSG Welter Road Solar, LLC

Map 5. Wetland Delineation Map

Kane County, IL



Study Area



Delineated Wetland



Waterway



Wetland Transect



Wetland Sampling Point - Upland



Wetland Sampling Point - Wetland



**AREAM**

0 160 320 640  
Feet  
1:6,000

**Appendix B:**  
**FEMA Firmette**

# National Flood Hazard Layer FIRMMette



88°29'59"W 41°56'11"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

88°29'21"W 41°55'44"N

Basemap Imagery Source: USGS National Map 2023

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

|                             |  |                                                                                                                                                                   |
|-----------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SPECIAL FLOOD HAZARD AREAS  |  | Without Base Flood Elevation (BFE)<br>Zone A, V, A99                                                                                                              |
|                             |  | With BFE or Depth Zone AE, AO, AH, VE, AR                                                                                                                         |
|                             |  | Regulatory Floodway                                                                                                                                               |
| OTHER AREAS OF FLOOD HAZARD |  | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |
|                             |  | Future Conditions 1% Annual Chance Flood Hazard Zone X                                                                                                            |
|                             |  | Area with Reduced Flood Risk due to Levee. See Notes. Zone X                                                                                                      |
|                             |  | Area with Flood Risk due to Levee Zone D                                                                                                                          |
| OTHER AREAS                 |  | NO SCREEN Area of Minimal Flood Hazard Zone X                                                                                                                     |
|                             |  | Effective LOMRs                                                                                                                                                   |
|                             |  | Area of Undetermined Flood Hazard Zone D                                                                                                                          |
| GENERAL STRUCTURES          |  | Channel, Culvert, or Storm Sewer                                                                                                                                  |
|                             |  | Levee, Dike, or Floodwall                                                                                                                                         |
| OTHER FEATURES              |  | Cross Sections with 1% Annual Chance Water Surface Elevation                                                                                                      |
|                             |  | Coastal Transect                                                                                                                                                  |
|                             |  | Base Flood Elevation Line (BFE)                                                                                                                                   |
|                             |  | Limit of Study                                                                                                                                                    |
|                             |  | Jurisdiction Boundary                                                                                                                                             |
|                             |  | Coastal Transect Baseline                                                                                                                                         |
|                             |  | Profile Baseline                                                                                                                                                  |
|                             |  | Hydrographic Feature                                                                                                                                              |
| MAP PANELS                  |  | Digital Data Available                                                                                                                                            |
|                             |  | No Digital Data Available                                                                                                                                         |
|                             |  | Unmapped                                                                                                                                                          |



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/29/2026 at 9:04 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

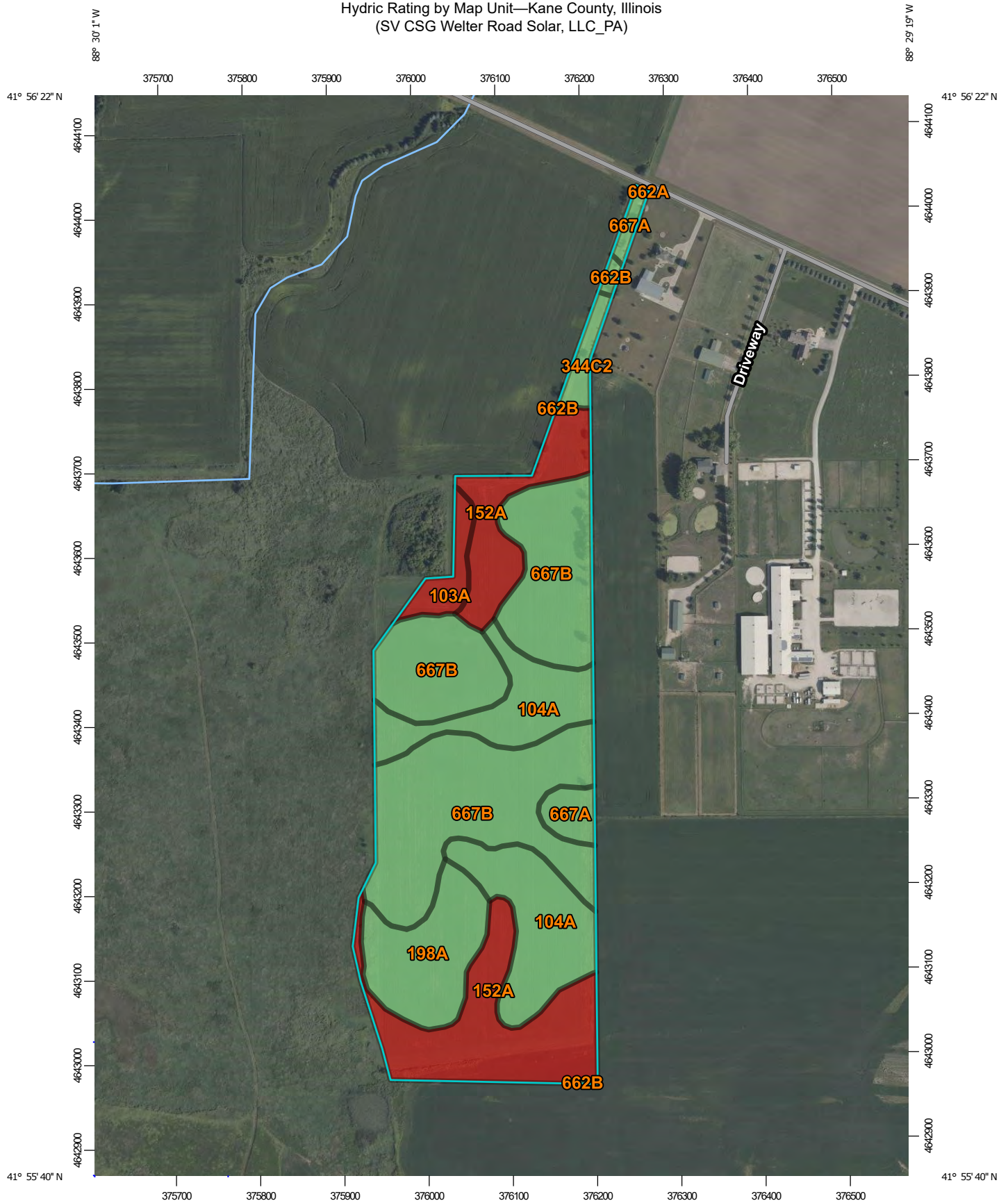
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

**Appendix C:**

**Soils Reports**

**Hydric Rating by Soils Unit & Hydric Soil List – All components**

# Hydric Rating by Map Unit—Kane County, Illinois (SV CSG Welter Road Solar, LLC\_PA)



Map Scale: 1:6,230 if printed on A portrait (8.5" x 11") sheet.

0 50 100 200 300 Meters

0 300 600 1200 1800 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84



**Natural Resources  
Conservation Service**

Web Soil Survey  
National Cooperative Soil Survey

4/29/2026  
Page 1 of 5

## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

#### Soil Rating Polygons

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available

#### Soil Rating Lines

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available

#### Soil Rating Points

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available

### Water Features

 Streams and Canals

### Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

### Background

-  Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Kane County, Illinois

Survey Area Data: Version 19, Aug 31, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 1, 2023—Sep 1, 2023

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



## Hydric Rating by Map Unit

| Map unit symbol                    | Map unit name                                     | Rating | Acres in AOI | Percent of AOI |
|------------------------------------|---------------------------------------------------|--------|--------------|----------------|
| 103A                               | Houghton muck, 0 to 2 percent slopes              | 100    | 1.2          | 2.6%           |
| 104A                               | Virgil silt loam, 0 to 2 percent slopes           | 10     | 8.7          | 18.9%          |
| 152A                               | Drummer silty clay loam, 0 to 2 percent slopes    | 100    | 10.4         | 22.6%          |
| 198A                               | Elburn silt loam, 0 to 2 percent slopes           | 7      | 4.6          | 10.0%          |
| 344C2                              | Harvard silt loam, 5 to 10 percent slopes, eroded | 3      | 0.8          | 1.7%           |
| 662A                               | Barony silt loam, 0 to 2 percent slopes           | 8      | 0.0          | 0.0%           |
| 662B                               | Barony silt loam, 2 to 5 percent slopes           | 3      | 0.2          | 0.5%           |
| 667A                               | Kaneville silt loam, 0 to 2 percent slopes        | 8      | 1.3          | 2.8%           |
| 667B                               | Kaneville silt loam, 2 to 5 percent slopes        | 3      | 18.8         | 40.9%          |
| <b>Totals for Area of Interest</b> |                                                   |        | <b>46.0</b>  | <b>100.0%</b>  |



## Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

### References:

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Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

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Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

## Rating Options

*Aggregation Method:* Percent Present

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Lower



## Hydric Soil List - All Components

This table lists the map unit components and their hydric status in the survey area. This list can help in planning land uses; however, onsite investigation is recommended to determine the hydric soils on a specific site (National Research Council, 1995; Hurt and others, 2002).

The three essential characteristics of wetlands are hydrophytic vegetation, hydric soils, and wetland hydrology (Cowardin and others, 1979; U.S. Army Corps of Engineers, 1987; National Research Council, 1995; Tiner, 1985). Criteria for all of the characteristics must be met for areas to be identified as wetlands. Undrained hydric soils that have natural vegetation should support a dominant population of ecological wetland plant species. Hydric soils that have been converted to other uses should be capable of being restored to wetlands.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). These soils, under natural conditions, are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

Hydric soils are identified by examining and describing the soil to a depth of about 20 inches. This depth may be greater if determination of an appropriate indicator so requires. It is always recommended that soils be excavated and described to the depth necessary for an understanding of the redoximorphic processes. Then, using the completed soil descriptions, soil scientists can compare the soil features required by each indicator and specify which indicators have been matched with the conditions observed in the soil. The soil can be identified as a hydric soil if at least one of the approved indicators is present.

Map units that are dominantly made up of hydric soils may have small areas, or inclusions, of nonhydric soils in the higher positions on the landform, and map units dominantly made up of nonhydric soils may have inclusions of hydric soils in the lower positions on the landform.

The criteria for hydric soils are represented by codes in the table (for example, 2). Definitions for the codes are as follows:



1. All Histels except for Folistels, and Histosols except for Folists.
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, Pachic subgroups, or Cumulic subgroups that:
  - A. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
  - B. Show evidence that the soil meets the definition of a hydric soil;
3. Soils that are frequently ponded for long or very long duration during the growing season.
  - A. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
  - B. Show evidence that the soil meets the definition of a hydric soil;
4. Map unit components that are frequently flooded for long duration or very long duration during the growing season that:
  - A. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
  - B. Show evidence that the soil meets the definition of a hydric soil;

Hydric Condition: Food Security Act information regarding the ability to grow a commodity crop without removing woody vegetation or manipulating hydrology.

References:

- Federal Register. July 13, 1994. Changes in hydric soils of the United States.  
Federal Register. Doc. 2012-4733 Filed 2-28-12. February, 28, 2012. Hydric soils of the United States.  
Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.  
Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.  
Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.  
Vasilas, L.M., G.W. Hurt, and C.V. Noble, editors. Version 7.0, 2010. Field indicators of hydric soils in the United States.



## Report—Hydric Soil List - All Components

| Hydric Soil List - All Components—IL089-Kane County, Illinois |                       |            |                                                                                                                 |               |                            |
|---------------------------------------------------------------|-----------------------|------------|-----------------------------------------------------------------------------------------------------------------|---------------|----------------------------|
| Map symbol and map unit name                                  | Component/Local Phase | Comp. pct. | Landform                                                                                                        | Hydric status | Hydric criteria met (code) |
| 103A: Houghton muck, 0 to 2 percent slopes                    | Houghton-Muck         | 84-95      | Depressions                                                                                                     | Yes           | 1,2,3                      |
|                                                               | Houghton-Ponded       | 2-5        | Depressions                                                                                                     | Yes           | 1,3                        |
|                                                               | Palms                 | 1-3        | Lakebeds (relict)                                                                                               | Yes           | 1,3                        |
|                                                               | Adrian                | 1-3        | Lakebeds (relict)                                                                                               | Yes           | 1,3                        |
|                                                               | Edwards               | 1-2        | Depressions                                                                                                     | Yes           | 1,3                        |
|                                                               | Willette-Muck         | 0-3        | Depressions                                                                                                     | Yes           | 1,3                        |
| 104A: Virgil silt loam, 0 to 2 percent slopes                 | Virgil                | 85-95      | Drainageways on ground moraines                                                                                 | No            | —                          |
|                                                               | Drummer-Drained       | 2-6        | Depressions on ground moraines                                                                                  | Yes           | 2                          |
|                                                               | Pella                 | 2-5        | Depressions on ground moraines                                                                                  | Yes           | 2,3                        |
|                                                               | Sable                 | 1-4        | Depressions on ground moraines                                                                                  | Yes           | 2                          |
| 152A: Drummer silty clay loam, 0 to 2 percent slopes          | Drummer-Drained       | 90-100     | Swales on till plains,swales on outwash plains,stream terraces on till plains,stream terraces on outwash plains | Yes           | 2                          |
|                                                               | Harpster-Drained      | 0-9        | Depressions on outwash plains                                                                                   | Yes           | 2                          |
|                                                               | Peotone-Drained       | 0-9        | Depressions on outwash plains                                                                                   | Yes           | 2                          |
| 198A: Elburn silt loam, 0 to 2 percent slopes                 | Elburn                | 88-100     | Stream terraces,outwash plains                                                                                  | No            | —                          |
|                                                               | Drummer-Drained       | 0-9        | Stream terraces on outwash plains,swales on outwash plains                                                      | Yes           | 2                          |
|                                                               | Thorp-Drained         | 0-9        | Depressions on outwash plains,depressions on stream terraces                                                    | Yes           | 2                          |
| 344C2: Harvard silt loam, 5 to 10 percent slopes, eroded      | Harvard               | 92         | Outwash plains,stream terraces                                                                                  | No            | —                          |
|                                                               | Drummer               | 3          | Ground moraines,outwash plains                                                                                  | Yes           | 2                          |



| Hydric Soil List - All Components--IL089-Kane County, Illinois |                       |            |                                |               |                            |
|----------------------------------------------------------------|-----------------------|------------|--------------------------------|---------------|----------------------------|
| Map symbol and map unit name                                   | Component/Local Phase | Comp. pct. | Landform                       | Hydric status | Hydric criteria met (code) |
|                                                                | Millbrook             |            | Stream terraces,outwash plains | No            | —                          |
| 662A: Barony silt loam, 0 to 2 percent slopes                  | Barony                | 92         | Stream terraces,outwash plains | No            | —                          |
|                                                                | Drummer               | 8          | Ground moraines,outwash plains | Yes           | 2                          |
| 662B: Barony silt loam, 2 to 5 percent slopes                  | Barony                | 92         | Outwash plains,stream terraces | No            | —                          |
|                                                                | Drummer               | 3          | Ground moraines,outwash plains | Yes           | 2                          |
| 667A: Kaneville silt loam, 0 to 2 percent slopes               | Kaneville             | 92         | Stream terraces,outwash plains | No            | —                          |
|                                                                | Drummer               | 8          | Outwash plains,ground moraines | Yes           | 2                          |
| 667B: Kaneville silt loam, 2 to 5 percent slopes               | Kaneville             | 92         | Stream terraces,outwash plains | No            | —                          |
|                                                                | Drummer               | 3          | Ground moraines,outwash plains | Yes           | 2                          |

## Data Source Information

Soil Survey Area: Kane County, Illinois  
 Survey Area Data: Version 19, Aug 31, 2025



**Appendix D:**  
**Aerial Imagery Slides**



**April 1993**



**April 1998**

**AREAM**



**February 2002**



**April 2005**

AREAM



June 2006



June 2007

AREAM



October 2007



May 2008

AREAM



June 2009



June 2010

AREAM



September 2011



May 2013

AREAM



September 2015



September 2017

AREAM



July 2018



June 2020

AREAM



August 2021



July 2023

AREAM



June 2024

**Appendix E:**  
**Field Photographs**



General upland Project landscape, viewed to the north from the southwestern edge of the Study Area



General upland Project landscape, viewed to the northeast from the northern portion of the Study Area



Off-site wetland, viewed to the southwest from beyond the western extent of the Study Area



Wetland 1, viewed to the northwest from the western boundary of the Study Area



Wetland 2 transition, viewed to the south from the western boundary of the Study Area



Wetland 2, viewed to the southwest from the southwestern portion of the Study Area

**Appendix F:**  
**Wetland Data Sheets**

# WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: SV CSG Welten Road Solar, LLC City/County: Kane Sampling Date: 4/7/2026  
 Applicant/Owner: SV CSG Welten Road Solar, LLC State: IL Sampling Point: SP 1-1  
 Investigator(s): J Knudsen Section, Township, Range: S24T40N:R6E  
 Landform (hillside, terrace, etc.): farmed slope Local relief (concave, convex, none): Slight concave  
 Slope (%): 2 Lat: 41.9342768 Long: -88.49555616 Datum: NAD 83  
 Soil Map Unit Name: 103A - Houghton muck, 0-2 percent slopes NWI classification: NWI

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No        (If no, explain in Remarks.)  
 Are Vegetation X, Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes        No X  
 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 <u>      </u> No <u>      </u><br>Hydric Soil Present? Yes <u>X</u> No <u>      </u><br>Wetland Hydrology Present? Yes <u>X</u> No <u>      </u> | <b>Is the Sampled Area within a Wetland?</b><br>Yes <u>X</u> No <u>      </u> |
| Remarks:<br>SP on toeslope of minor slope into offsite wetland. Farmed. Cropland is not normal circumstances.                                                                        |                                                                               |

## VEGETATION – Use scientific names of plants.

| Tree Stratum          | (Plot size: <u>30ft</u> ) | Absolute % Cover          | Dominant Species? | Indicator Status |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------|---------------------------|---------------------------|-------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                    |                           |                           |                   |                  | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>      </u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>      </u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>      </u> (A/B)                                                                                                                                                                                                                                                 |
| 2.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                       |                           | =Total Cover              |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sapling/Shrub Stratum |                           | (Plot size: <u>15ft</u> ) |                   |                  | <b>Prevalence Index worksheet:</b><br><br>Total % Cover of:      Multiply by:<br>OBL species <u>      </u> x 1 = <u>      </u><br>FACW species <u>      </u> x 2 = <u>      </u><br>FAC species <u>      </u> x 3 = <u>      </u><br>FACU species <u>      </u> x 4 = <u>      </u><br>UPL species <u>      </u> x 5 = <u>      </u><br>Column Totals: <u>      </u> (A) <u>      </u> (B)<br>Prevalence Index = B/A = <u>      </u>                                                                                             |
| 1.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                       |                           | =Total Cover              |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Herb Stratum          |                           | (Plot size: <u>5ft</u> )  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><u>      </u> 1 - Rapid Test for Hydrophytic Vegetation<br><u>      </u> 2 - Dominance Test is >50%<br><u>      </u> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><u>      </u> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 1.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 6.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 7.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 8.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 9.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                       |                           | =Total Cover              |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Woody Vine Stratum    |                           | (Plot size: <u>30ft</u> ) |                   |                  | <b>Hydrophytic Vegetation Present?</b> Yes <u>      </u> No <u>      </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2.                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                       |                           | =Total Cover              |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

Remarks: (Include photo numbers here or on a separate sheet.)  
 Veg not used as wetland criteria due to cropping

## SOIL

Sampling Point: SP 1-1

| Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) |               |     |                |   |                   |                  |         |                                     |
|---------------------------------------------------------------------------------------------------------------------|---------------|-----|----------------|---|-------------------|------------------|---------|-------------------------------------|
| Depth<br>(inches)                                                                                                   | Matrix        |     | Redox Features |   |                   |                  | Texture | Remarks                             |
|                                                                                                                     | Color (moist) | %   | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |         |                                     |
| 0-15                                                                                                                | 10YR 2/1      | 100 |                |   |                   |                  | Muck    | Very slimy when wet                 |
| 15-20                                                                                                               | 10YR 2/1      | 100 |                |   |                   |                  | Muck    | some sand and fibers - some mineral |
|                                                                                                                     |               |     |                |   |                   |                  |         |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |         |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |         |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |         |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |         |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |         |                                     |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

| Hydric Soil Indicators:                                    | Indicators for Problematic Hydric Soils <sup>3</sup> :   |
|------------------------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> Histosol (A1)                     | <input type="checkbox"/> Coast Prairie Redox (A16)       |
| <input type="checkbox"/> Histic Epipedon (A2)              | <input type="checkbox"/> Iron-Manganese Masses (F12)     |
| <input type="checkbox"/> Black Histic (A3)                 | <input type="checkbox"/> Red Parent Material (F21)       |
| <input type="checkbox"/> Hydrogen Sulfide (A4)             | <input type="checkbox"/> Very Shallow Dark Surface (F22) |
| <input type="checkbox"/> Stratified Layers (A5)            | <input type="checkbox"/> Other (Explain in Remarks)      |
| <input checked="" type="checkbox"/> 2 cm Muck (A10)        |                                                          |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) |                                                          |
| <input type="checkbox"/> Thick Dark Surface (A12)          |                                                          |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)          |                                                          |
| <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)      |                                                          |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)          |                                                          |
| <input type="checkbox"/> Sandy Redox (S5)                  |                                                          |
| <input type="checkbox"/> Stripped Matrix (S6)              |                                                          |
| <input type="checkbox"/> Dark Surface (S7)                 |                                                          |
| <input type="checkbox"/> Loamy Mucky Mineral (F1)          |                                                          |
| <input type="checkbox"/> Loamy Gleyed Matrix (F2)          |                                                          |
| <input type="checkbox"/> Depleted Matrix (F3)              |                                                          |
| <input type="checkbox"/> Redox Dark Surface (F6)           |                                                          |
| <input type="checkbox"/> Depleted Dark Surface (F7)        |                                                          |
| <input type="checkbox"/> Redox Depressions (F8)            |                                                          |

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

|                                                                                 |                                                                              |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| <b>Restrictive Layer (if observed):</b><br>Type: _____<br>Depth (inches): _____ | <b>Hydric Soil Present?</b> Yes <input checked="" type="checkbox"/> No _____ |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------|

Remarks:  
Mucky, but dry - tilled with some mineral

## HYDROLOGY

| Wetland Hydrology Indicators:                                         |                                                                     |                                                                               |  |
|-----------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------|--|
| Primary Indicators (minimum of one is required; check all that apply) |                                                                     | Secondary Indicators (minimum of two required)                                |  |
| <input type="checkbox"/> Surface Water (A1)                           | <input type="checkbox"/> Water-Stained Leaves (B9)                  | <input type="checkbox"/> Surface Soil Cracks (B6)                             |  |
| <input type="checkbox"/> High Water Table (A2)                        | <input type="checkbox"/> Aquatic Fauna (B13)                        | <input type="checkbox"/> Drainage Patterns (B10)                              |  |
| <input type="checkbox"/> Saturation (A3)                              | <input type="checkbox"/> True Aquatic Plants (B14)                  | <input type="checkbox"/> Dry-Season Water Table (C2)                          |  |
| <input type="checkbox"/> Water Marks (B1)                             | <input type="checkbox"/> Hydrogen Sulfide Odor (C1)                 | <input type="checkbox"/> Crayfish Burrows (C8)                                |  |
| <input type="checkbox"/> Sediment Deposits (B2)                       | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) | <input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |  |
| <input type="checkbox"/> Drift Deposits (B3)                          | <input type="checkbox"/> Presence of Reduced Iron (C4)              | <input type="checkbox"/> Stunted or Stressed Plants (D1)                      |  |
| <input type="checkbox"/> Algal Mat or Crust (B4)                      | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) | <input checked="" type="checkbox"/> Geomorphic Position (D2)                  |  |
| <input type="checkbox"/> Iron Deposits (B5)                           | <input type="checkbox"/> Thin Muck Surface (C7)                     | <input type="checkbox"/> FAC-Neutral Test (D5)                                |  |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)    | <input type="checkbox"/> Gauge or Well Data (D9)                    |                                                                               |  |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)      | <input type="checkbox"/> Other (Explain in Remarks)                 |                                                                               |  |

|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Field Observations:</b><br>Surface Water Present?    Yes _____    No <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present?    Yes _____    No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present?    Yes _____    No <input checked="" type="checkbox"/> Depth (inches): _____<br>(includes capillary fringe) | <b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No _____ |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:  
Off-site review inconclusive

# WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: SV CSG Welten Road Solar, LLC City/County: Kane Sampling Date: 4/7/2026  
 Applicant/Owner: SV CSG Welten Road Solar, LLC State: IL Sampling Point: SP 1-2  
 Investigator(s): J Knudsen Section, Township, Range: S24T40N:R6E  
 Landform (hillside, terrace, etc.): Cropland Local relief (concave, convex, none): linear  
 Slope (%): 3 Lat: 41.93419473 Long: -88.49536471 Datum: NAD 83  
 Soil Map Unit Name: 152A - Drummer silty clay loam, 0-2 percent slopes NWI classification: \_\_\_\_\_

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation X, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_\_ No X  
 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 _____                                                    | Is the Sampled Area<br>within a Wetland? Yes _____ No <u>X</u> |
| Hydric Soil Present? Yes <u>X</u> No _____                                                            |                                                                |
| Wetland Hydrology Present? Yes _____ No <u>X</u>                                                      |                                                                |
| Remarks:<br>SP on flat, sloped cropland adjacent to depression. Cropland is not normal circumstances. |                                                                |

## VEGETATION – Use scientific names of plants.

| Tree Stratum          | (Plot size: <u>30ft</u> ) | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That<br>Are OBL, FACW, or FAC: _____ (A)<br><br>Total Number of Dominant Species<br>Across All Strata: _____ (B)<br><br>Percent of Dominant Species That<br>Are OBL, FACW, or FAC: _____ (A/B)                                                                                                                                                                                                                              |
|-----------------------|---------------------------|---------------------|----------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 5.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                       |                           | =Total Cover        |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sapling/Shrub Stratum | (Plot size: <u>15ft</u> ) |                     |                      |                     | <b>Prevalence Index worksheet:</b><br><br>Total % Cover of: _____ Multiply by:<br>OBL species _____ x 1 = _____<br>FACW species _____ x 2 = _____<br>FAC species _____ x 3 = _____<br>FACU species _____ x 4 = _____<br>UPL species _____ x 5 = _____<br>Column Totals: _____ (A) _____ (B)<br>Prevalence Index = B/A = _____                                                                                                                                                                  |
| 1.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 5.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                       |                           | =Total Cover        |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Herb Stratum          | (Plot size: <u>5ft</u> )  |                     |                      |                     | <b>Hydrophytic Vegetation Indicators:</b><br>_____ 1 - Rapid Test for Hydrophytic Vegetation<br>_____ 2 - Dominance Test is >50%<br>_____ 3 - Prevalence Index is ≤3.0 <sup>1</sup><br>_____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting<br>data in Remarks or on a separate sheet)<br>_____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><sup>1</sup> Indicators of hydric soil and wetland hydrology must<br>be present, unless disturbed or problematic. |
| 1.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 5.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 6.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 7.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 8.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 9.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 10.                   |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                       |                           | =Total Cover        |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Woody Vine Stratum    | (Plot size: <u>30ft</u> ) |                     |                      |                     | <b>Hydrophytic<br/>Vegetation<br/>Present? Yes _____ No _____</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.                    |                           |                     |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                       |                           | =Total Cover        |                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

Remarks: (Include photo numbers here or on a separate sheet.)  
 Veg not used as wetland criteria due to cropping

## SOIL

Sampling Point: SP 1-2

| Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) |               |     |                |   |                   |                  |              |                                     |
|---------------------------------------------------------------------------------------------------------------------|---------------|-----|----------------|---|-------------------|------------------|--------------|-------------------------------------|
| Depth                                                                                                               | Matrix        |     | Redox Features |   |                   |                  | Texture      | Remarks                             |
| (inches)                                                                                                            | Color (moist) | %   | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |              |                                     |
| 0-18                                                                                                                | 10YR 2/1      | 100 |                |   |                   |                  | Loamy/Clayey | SCL - distinct from soil in wetland |
| 18-22                                                                                                               | 10YR 4/1      | 95  | 10YR 5/6       | 5 | C                 | M                | Loamy/Clayey | SCL - reduced with redox            |
|                                                                                                                     |               |     |                |   |                   |                  |              |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |              |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |              |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |              |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |              |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |              |                                     |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

| Hydric Soil Indicators:                                      | Indicators for Problematic Hydric Soils <sup>3</sup> : |                                                          |
|--------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> Histosol (A1)                       | <input type="checkbox"/> Sandy Gleyed Matrix (S4)      | <input type="checkbox"/> Coast Prairie Redox (A16)       |
| <input type="checkbox"/> Histic Epipedon (A2)                | <input type="checkbox"/> Sandy Redox (S5)              | <input type="checkbox"/> Iron-Manganese Masses (F12)     |
| <input type="checkbox"/> Black Histic (A3)                   | <input type="checkbox"/> Stripped Matrix (S6)          | <input type="checkbox"/> Red Parent Material (F21)       |
| <input type="checkbox"/> Hydrogen Sulfide (A4)               | <input type="checkbox"/> Dark Surface (S7)             | <input type="checkbox"/> Very Shallow Dark Surface (F22) |
| <input type="checkbox"/> Stratified Layers (A5)              | <input type="checkbox"/> Loamy Mucky Mineral (F1)      | <input type="checkbox"/> Other (Explain in Remarks)      |
| <input type="checkbox"/> 2 cm Muck (A10)                     | <input type="checkbox"/> Loamy Gleyed Matrix (F2)      |                                                          |
| <input type="checkbox"/> Depleted Below Dark Surface (A11)   | <input type="checkbox"/> Depleted Matrix (F3)          |                                                          |
| <input checked="" type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6)       |                                                          |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)            | <input type="checkbox"/> Depleted Dark Surface (F7)    |                                                          |
| <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)        | <input type="checkbox"/> Redox Depressions (F8)        |                                                          |

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

| Restrictive Layer (if observed):     | Hydric Soil Present?                                                |
|--------------------------------------|---------------------------------------------------------------------|
| Type: _____<br>Depth (inches): _____ | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

Remarks:  
Mucky, but dry - tilled with some mineral

## HYDROLOGY

| Wetland Hydrology Indicators:                                         |                                                                     |                                                                    |  |
|-----------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------|--|
| Primary Indicators (minimum of one is required; check all that apply) |                                                                     | Secondary Indicators (minimum of two required)                     |  |
| <input type="checkbox"/> Surface Water (A1)                           | <input type="checkbox"/> Water-Stained Leaves (B9)                  | <input type="checkbox"/> Surface Soil Cracks (B6)                  |  |
| <input type="checkbox"/> High Water Table (A2)                        | <input type="checkbox"/> Aquatic Fauna (B13)                        | <input type="checkbox"/> Drainage Patterns (B10)                   |  |
| <input type="checkbox"/> Saturation (A3)                              | <input type="checkbox"/> True Aquatic Plants (B14)                  | <input type="checkbox"/> Dry-Season Water Table (C2)               |  |
| <input type="checkbox"/> Water Marks (B1)                             | <input type="checkbox"/> Hydrogen Sulfide Odor (C1)                 | <input type="checkbox"/> Crayfish Burrows (C8)                     |  |
| <input type="checkbox"/> Sediment Deposits (B2)                       | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |  |
| <input type="checkbox"/> Drift Deposits (B3)                          | <input type="checkbox"/> Presence of Reduced Iron (C4)              | <input type="checkbox"/> Stunted or Stressed Plants (D1)           |  |
| <input type="checkbox"/> Algal Mat or Crust (B4)                      | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) | <input type="checkbox"/> Geomorphic Position (D2)                  |  |
| <input type="checkbox"/> Iron Deposits (B5)                           | <input type="checkbox"/> Thin Muck Surface (C7)                     | <input type="checkbox"/> FAC-Neutral Test (D5)                     |  |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)    | <input type="checkbox"/> Gauge or Well Data (D9)                    |                                                                    |  |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)      | <input type="checkbox"/> Other (Explain in Remarks)                 |                                                                    |  |

| Field Observations:         |                                                                     |                 |  | Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
|-----------------------------|---------------------------------------------------------------------|-----------------|--|------------------------------------------------------------------------------------------------|
| Surface Water Present?      | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Depth (inches): |  |                                                                                                |
| Water Table Present?        | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Depth (inches): |  |                                                                                                |
| Saturation Present?         | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Depth (inches): |  |                                                                                                |
| (includes capillary fringe) |                                                                     |                 |  |                                                                                                |

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:  
Off-site review indicates upland. No other secondary.

# WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: SV CSG Welten Road Solar, LLC City/County: Kane Sampling Date: 4/7/2026  
 Applicant/Owner: SV CSG Welten Road Solar, LLC State: IL Sampling Point: SP 2-1  
 Investigator(s): J Knudsen Section, Township, Range: S24T40N:R6E  
 Landform (hillside, terrace, etc.): slight depression Local relief (concave, convex, none): Concave  
 Slope (%): 2 Lat: 41.93032974 Long: -88.49651773 Datum: NAD 83  
 Soil Map Unit Name: 152A - Drummer silty clay loam, 0-2 percent slopes NWI classification: NWI

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No        (If no, explain in Remarks.)  
 Are Vegetation X, Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes        No X  
 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 <u>      </u> No <u>      </u><br>Hydric Soil Present? Yes <u>X</u> No <u>      </u><br>Wetland Hydrology Present? Yes <u>X</u> No <u>      </u> | <b>Is the Sampled Area within a Wetland?</b><br>Yes <u>X</u> No <u>      </u> |
| Remarks:<br>SP on slightly concave area leading to offsite wetland. Cropped but slightly lower with visibly darker soils. Cropland is not normal circumstances.                      |                                                                               |

## VEGETATION – Use scientific names of plants.

| Tree Stratum          | (Plot size: <u>30ft</u> ) | Absolute % Cover | Dominant Species? | Indicator Status |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------|---------------------------|------------------|-------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                    |                           |                  |                   |                  | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>      </u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>      </u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>      </u> (A/B)                                                                                                                                                                                                                                                 |
| 2.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                       |                           | =Total Cover     |                   |                  | <b>Prevalence Index worksheet:</b><br><br>Total % Cover of:      Multiply by:<br>OBL species <u>      </u> x 1 = <u>      </u><br>FACW species <u>      </u> x 2 = <u>      </u><br>FAC species <u>      </u> x 3 = <u>      </u><br>FACU species <u>      </u> x 4 = <u>      </u><br>UPL species <u>      </u> x 5 = <u>      </u><br>Column Totals: <u>      </u> (A) <u>      </u> (B)<br>Prevalence Index = B/A = <u>      </u>                                                                                             |
| Sapling/Shrub Stratum | (Plot size: <u>15ft</u> ) |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2.                    |                           |                  |                   | FACW             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                       |                           | =Total Cover     |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><u>      </u> 1 - Rapid Test for Hydrophytic Vegetation<br><u>      </u> 2 - Dominance Test is >50%<br><u>      </u> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><u>      </u> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Herb Stratum          | (Plot size: <u>5ft</u> )  |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 6.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 7.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 8.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 9.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 10.                   |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                       |                           | =Total Cover     |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Woody Vine Stratum    | (Plot size: <u>30ft</u> ) |                  |                   |                  | <b>Hydrophytic Vegetation Present?</b> Yes <u>      </u> No <u>      </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2.                    |                           |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                       |                           | =Total Cover     |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

Remarks: (Include photo numbers here or on a separate sheet.)  
 Veg not used as wetland criteria due to cropping

## SOIL

Sampling Point: SP 2-1

| Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) |               |     |                |   |                   |                  |              |                                     |
|---------------------------------------------------------------------------------------------------------------------|---------------|-----|----------------|---|-------------------|------------------|--------------|-------------------------------------|
| Depth                                                                                                               | Matrix        |     | Redox Features |   |                   |                  | Texture      | Remarks                             |
| (inches)                                                                                                            | Color (moist) | %   | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |              |                                     |
| 0-16                                                                                                                | 10YR 2/1      | 100 |                |   |                   |                  | Loamy/Clayey | SCL - distinct from soil in wetland |
| 16-20                                                                                                               | 10YR 4/1      | 95  | 10YR 5/6       | 5 | C                 | M                | Loamy/Clayey | SCL - reduced with redox            |
|                                                                                                                     |               |     |                |   |                   |                  |              |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |              |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |              |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |              |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |              |                                     |
|                                                                                                                     |               |     |                |   |                   |                  |              |                                     |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

| Hydric Soil Indicators:                                      | Indicators for Problematic Hydric Soils <sup>3</sup> : |                                                    |                                                          |
|--------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> Histosol (A1)                       | <input type="checkbox"/> Sandy Gleyed Matrix (S4)      | <input type="checkbox"/> Coast Prairie Redox (A16) |                                                          |
| <input type="checkbox"/> Histic Epipedon (A2)                | <input type="checkbox"/> Sandy Redox (S5)              |                                                    | <input type="checkbox"/> Iron-Manganese Masses (F12)     |
| <input type="checkbox"/> Black Histic (A3)                   | <input type="checkbox"/> Stripped Matrix (S6)          |                                                    | <input type="checkbox"/> Red Parent Material (F21)       |
| <input type="checkbox"/> Hydrogen Sulfide (A4)               | <input type="checkbox"/> Dark Surface (S7)             |                                                    | <input type="checkbox"/> Very Shallow Dark Surface (F22) |
| <input type="checkbox"/> Stratified Layers (A5)              | <input type="checkbox"/> Loamy Mucky Mineral (F1)      |                                                    | <input type="checkbox"/> Other (Explain in Remarks)      |
| <input type="checkbox"/> 2 cm Muck (A10)                     | <input type="checkbox"/> Loamy Gleyed Matrix (F2)      |                                                    |                                                          |
| <input type="checkbox"/> Depleted Below Dark Surface (A11)   | <input type="checkbox"/> Depleted Matrix (F3)          |                                                    |                                                          |
| <input checked="" type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6)       |                                                    |                                                          |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)            | <input type="checkbox"/> Depleted Dark Surface (F7)    |                                                    |                                                          |
| <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)        | <input type="checkbox"/> Redox Depressions (F8)        |                                                    |                                                          |

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

| Restrictive Layer (if observed):     | Hydric Soil Present?                                                |
|--------------------------------------|---------------------------------------------------------------------|
| Type: _____<br>Depth (inches): _____ | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

Remarks:  
Mucky, but dry - tilled with some mineral

## HYDROLOGY

| Wetland Hydrology Indicators:                                         |                                                                     |                                                                               |  |
|-----------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------|--|
| Primary Indicators (minimum of one is required; check all that apply) |                                                                     | Secondary Indicators (minimum of two required)                                |  |
| <input type="checkbox"/> Surface Water (A1)                           | <input type="checkbox"/> Water-Stained Leaves (B9)                  | <input type="checkbox"/> Surface Soil Cracks (B6)                             |  |
| <input type="checkbox"/> High Water Table (A2)                        | <input type="checkbox"/> Aquatic Fauna (B13)                        | <input type="checkbox"/> Drainage Patterns (B10)                              |  |
| <input type="checkbox"/> Saturation (A3)                              | <input type="checkbox"/> True Aquatic Plants (B14)                  | <input type="checkbox"/> Dry-Season Water Table (C2)                          |  |
| <input type="checkbox"/> Water Marks (B1)                             | <input type="checkbox"/> Hydrogen Sulfide Odor (C1)                 | <input type="checkbox"/> Crayfish Burrows (C8)                                |  |
| <input type="checkbox"/> Sediment Deposits (B2)                       | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) | <input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |  |
| <input type="checkbox"/> Drift Deposits (B3)                          | <input type="checkbox"/> Presence of Reduced Iron (C4)              | <input type="checkbox"/> Stunted or Stressed Plants (D1)                      |  |
| <input type="checkbox"/> Algal Mat or Crust (B4)                      | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) | <input checked="" type="checkbox"/> Geomorphic Position (D2)                  |  |
| <input type="checkbox"/> Iron Deposits (B5)                           | <input type="checkbox"/> Thin Muck Surface (C7)                     | <input type="checkbox"/> FAC-Neutral Test (D5)                                |  |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)    | <input type="checkbox"/> Gauge or Well Data (D9)                    |                                                                               |  |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)      | <input type="checkbox"/> Other (Explain in Remarks)                 |                                                                               |  |

| Field Observations:    |                                                                     |                 |  | Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
|------------------------|---------------------------------------------------------------------|-----------------|--|------------------------------------------------------------------------------------------------|
| Surface Water Present? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Depth (inches): |  |                                                                                                |
| Water Table Present?   | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Depth (inches): |  |                                                                                                |
| Saturation Present?    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Depth (inches): |  |                                                                                                |

(includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:  
Off-site review inconclusive

# WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: SV CSG Welten Road Solar, LLC City/County: Kane Sampling Date: 4/7/2026  
 Applicant/Owner: SV CSG Welten Road Solar, LLC State: IL Sampling Point: SP 2-2  
 Investigator(s): J Knudsen Section, Township, Range: S24T40N:R6E  
 Landform (hillside, terrace, etc.): Cropland Local relief (concave, convex, none): linear  
 Slope (%): 2 Lat: 41.93035085 Long: -88.49639784 Datum: NAD 83  
 Soil Map Unit Name: 198A - Elburn silt loam, 0-2 percent slopes NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No        (If no, explain in Remarks.)  
 Are Vegetation X, Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes        No X  
 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 <u>      </u> No <u>      </u><br>Hydric Soil Present? Yes <u>      </u> No <u>X</u><br>Wetland Hydrology Present? Yes <u>      </u> No <u>X</u> | <b>Is the Sampled Area within a Wetland?</b><br>Yes <u>      </u> No <u>X</u> |
| Remarks:<br>SP on flat, sloped cropland adjacent to depression. Cropland is not normal circumstances. Soils distinctly lighter                                                       |                                                                               |

## VEGETATION – Use scientific names of plants.

| Tree Stratum                           | (Plot size: <u>30ft</u> ) | Absolute % Cover          | Dominant Species? | Indicator Status |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
|----------------------------------------|---------------------------|---------------------------|-------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|---------------------------|---------------------|----------------------------|---------------------|---------------------------|---------------------|----------------------------|---------------------|---------------------------|---------------------|----------------------------------|-------------------|----------------------------------------|--|
| 1.                                     |                           |                           |                   |                  | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>      </u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>      </u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>      </u> (A/B)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 2.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 3.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 4.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 5.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
|                                        |                           | =Total Cover              |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| Sapling/Shrub Stratum                  |                           | (Plot size: <u>15ft</u> ) |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>      </u></td> <td>x 1 = <u>      </u></td> </tr> <tr> <td>FACW species <u>      </u></td> <td>x 2 = <u>      </u></td> </tr> <tr> <td>FAC species <u>      </u></td> <td>x 3 = <u>      </u></td> </tr> <tr> <td>FACU species <u>      </u></td> <td>x 4 = <u>      </u></td> </tr> <tr> <td>UPL species <u>      </u></td> <td>x 5 = <u>      </u></td> </tr> <tr> <td>Column Totals: <u>      </u> (A)</td> <td><u>      </u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>      </u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>      </u> | x 1 = <u>      </u> | FACW species <u>      </u> | x 2 = <u>      </u> | FAC species <u>      </u> | x 3 = <u>      </u> | FACU species <u>      </u> | x 4 = <u>      </u> | UPL species <u>      </u> | x 5 = <u>      </u> | Column Totals: <u>      </u> (A) | <u>      </u> (B) | Prevalence Index = B/A = <u>      </u> |  |
| Total % Cover of:                      | Multiply by:              |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| OBL species <u>      </u>              | x 1 = <u>      </u>       |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| FACW species <u>      </u>             | x 2 = <u>      </u>       |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| FAC species <u>      </u>              | x 3 = <u>      </u>       |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| FACU species <u>      </u>             | x 4 = <u>      </u>       |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| UPL species <u>      </u>              | x 5 = <u>      </u>       |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| Column Totals: <u>      </u> (A)       | <u>      </u> (B)         |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| Prevalence Index = B/A = <u>      </u> |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 1.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 2.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 3.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 4.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 5.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
|                                        |                           | =Total Cover              |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| Herb Stratum                           |                           | (Plot size: <u>5ft</u> )  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><u>      </u> 1 - Rapid Test for Hydrophytic Vegetation<br><u>      </u> 2 - Dominance Test is >50%<br><u>      </u> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><u>      </u> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.                                                                                                                                                                                                    |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 1.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 2.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 3.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 4.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 5.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 6.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 7.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 8.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 9.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 10.                                    |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
|                                        |                           | =Total Cover              |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| Woody Vine Stratum                     |                           | (Plot size: <u>30ft</u> ) |                   |                  | <b>Hydrophytic Vegetation Present?</b> Yes <u>      </u> No <u>      </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 1.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
| 2.                                     |                           |                           |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |
|                                        |                           | =Total Cover              |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |              |                           |                     |                            |                     |                           |                     |                            |                     |                           |                     |                                  |                   |                                        |  |

Remarks: (Include photo numbers here or on a separate sheet.)  
 Veg not used as wetland criteria due to cropping

## SOIL

Sampling Point: SP 2-2**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

| Depth<br>(inches) | Matrix        |     | Redox Features |   |                   |                  | Texture      | Remarks     |
|-------------------|---------------|-----|----------------|---|-------------------|------------------|--------------|-------------|
|                   | Color (moist) | %   | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |              |             |
| 0-8               | 10YR 3/2      | 100 |                |   |                   |                  | Loamy/Clayey | SL          |
| 8-20              | 10YR 4/3      | 100 |                |   |                   |                  | Loamy/Clayey | SL lighter  |
| 20-22             | 10YR 5/3      | 100 |                |   |                   |                  | Loamy/Clayey | SL lightest |
|                   |               |     |                |   |                   |                  |              |             |
|                   |               |     |                |   |                   |                  |              |             |
|                   |               |     |                |   |                   |                  |              |             |
|                   |               |     |                |   |                   |                  |              |             |
|                   |               |     |                |   |                   |                  |              |             |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.<sup>2</sup>Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

|                                                            |                                                     |
|------------------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> Histosol (A1)                     | <input type="checkbox"/> Sandy Gleyed Matrix (S4)   |
| <input type="checkbox"/> Histic Epipedon (A2)              | <input type="checkbox"/> Sandy Redox (S5)           |
| <input type="checkbox"/> Black Histic (A3)                 | <input type="checkbox"/> Stripped Matrix (S6)       |
| <input type="checkbox"/> Hydrogen Sulfide (A4)             | <input type="checkbox"/> Dark Surface (S7)          |
| <input type="checkbox"/> Stratified Layers (A5)            | <input type="checkbox"/> Loamy Mucky Mineral (F1)   |
| <input type="checkbox"/> 2 cm Muck (A10)                   | <input type="checkbox"/> Loamy Gleyed Matrix (F2)   |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3)       |
| <input type="checkbox"/> Thick Dark Surface (A12)          | <input type="checkbox"/> Redox Dark Surface (F6)    |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)          | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)      | <input type="checkbox"/> Redox Depressions (F8)     |

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

|                                                          |
|----------------------------------------------------------|
| <input type="checkbox"/> Coast Prairie Redox (A16)       |
| <input type="checkbox"/> Iron-Manganese Masses (F12)     |
| <input type="checkbox"/> Red Parent Material (F21)       |
| <input type="checkbox"/> Very Shallow Dark Surface (F22) |
| <input type="checkbox"/> Other (Explain in Remarks)      |

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**
 Type: \_\_\_\_\_  
 Depth (inches): \_\_\_\_\_
**Hydric Soil Present?** Yes \_\_\_\_\_ No X**Remarks:**

Mucky, but dry - tilled with some mineral

## HYDROLOGY

**Wetland Hydrology Indicators:**Primary Indicators (minimum of one is required; check all that apply)

|                                                                    |                                                                     |
|--------------------------------------------------------------------|---------------------------------------------------------------------|
| <input type="checkbox"/> Surface Water (A1)                        | <input type="checkbox"/> Water-Stained Leaves (B9)                  |
| <input type="checkbox"/> High Water Table (A2)                     | <input type="checkbox"/> Aquatic Fauna (B13)                        |
| <input type="checkbox"/> Saturation (A3)                           | <input type="checkbox"/> True Aquatic Plants (B14)                  |
| <input type="checkbox"/> Water Marks (B1)                          | <input type="checkbox"/> Hydrogen Sulfide Odor (C1)                 |
| <input type="checkbox"/> Sediment Deposits (B2)                    | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) |
| <input type="checkbox"/> Drift Deposits (B3)                       | <input type="checkbox"/> Presence of Reduced Iron (C4)              |
| <input type="checkbox"/> Algal Mat or Crust (B4)                   | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) |
| <input type="checkbox"/> Iron Deposits (B5)                        | <input type="checkbox"/> Thin Muck Surface (C7)                     |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Gauge or Well Data (D9)                    |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)   | <input type="checkbox"/> Other (Explain in Remarks)                 |

Secondary Indicators (minimum of two required)

|                                                                    |
|--------------------------------------------------------------------|
| <input type="checkbox"/> Surface Soil Cracks (B6)                  |
| <input type="checkbox"/> Drainage Patterns (B10)                   |
| <input type="checkbox"/> Dry-Season Water Table (C2)               |
| <input type="checkbox"/> Crayfish Burrows (C8)                     |
| <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Stunted or Stressed Plants (D1)           |
| <input type="checkbox"/> Geomorphic Position (D2)                  |
| <input type="checkbox"/> FAC-Neutral Test (D5)                     |

**Field Observations:**

|                        |           |             |                       |
|------------------------|-----------|-------------|-----------------------|
| Surface Water Present? | Yes _____ | No <u>X</u> | Depth (inches): _____ |
| Water Table Present?   | Yes _____ | No <u>X</u> | Depth (inches): _____ |
| Saturation Present?    | Yes _____ | No <u>X</u> | Depth (inches): _____ |

 (includes capillary fringe)
**Wetland Hydrology Present?** Yes \_\_\_\_\_ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

**Remarks:**

Off-site review indicates upland. No other secondary.