June 17, 2025

U.S. Army Corps of Engineers - Chicago District

To Whom It May Concern,

Area M Consulting (Area M), on behalf of SV CSG Wilson School Solar, LLC conducted a field wetland delineation within the proposed SV CSG Wilson School Solar, LLC (Project) located near Elgin 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



Wetland Delineation Report SV CSG Wilson School Solar, LLC

Kane County, Illinois



Prepared for:

Sunvest Solar LLC 330 W. State Street Suite 1 Geneva, IL 60123

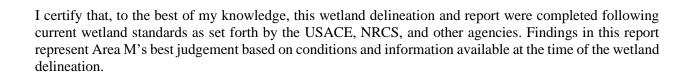
Prepared by:

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June 2025







Jonathan Knudsen, WDC, MS Field Director/Wetland Specialist MN Certified Wetland Delineator 1307

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INTRODUCTION

Area M Consulting (Area M) was contracted to conduct a wetland delineation for the SV CSG Roxana, 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 22.4 acres, is located on the western edge of Elgin, IL in Section 8, T41N:R7E (Study Area) (Map1, Appendix A). The Study Area is located on a rolling, agricultural field with several undulating hills and basins. The majority of the landform is agricultural, with corn planted in 2025. A small stand of woodland encompassing a wetland in the southeastern corner of the Study Area. An uncropped grass/shrub wetland, a component of an offsite pond, is present in the northwestern corner of the Study Area West Highland Avenue bounds the northern extent of the Study Area, where a steep berm abuts the northern edge. The surrounding landscape is dominated by residential development interspersed with cropland, farmsteads, and wooded drainageways. The entire Study Area is private property.

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					



Mapped Wetland Data

The NWI (USFWS, 2025), Illinois Public Waters (IDNR, 2025) and NHD (USGS, 2025) 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 dataset in the northwestern portion 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, 2025). The southeastern corner of the Study Area is intersected by the 100-year flood plain (Appendix B).

Soils

The Web Soil Survey (NRCS, 2025) 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 rolling and contains five areas with concave landforms (Map 4, Appendix A). The total topographic relief of the Study Area is approximately 25 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, five areas (Area 1-Area 5) showing wetland signatures (potential wetlands) in at least one year were identified within the Study Area (Appendix D). Area 1 and Area 5 are not cropped but still showed wetland hydrology signatures in every slide. Area 2, Area 3, and Area 4 are extremely inconsistent with wetland hydrology signatures; it appears tiling was installed in 2009 and likely before, but either broke or was removed. Imagery after 2023 shows these areas to be much drier than previous years.



Table 1. Imagery dates and antecedent precipitation status.

Imagery	Wetland Signature ¹					Antecedent Precipitation
Date	Area 1	Area 2	Area 3	Area 4	Area 5	Status ²
4/1994	Yes	No	Yes	Yes	Yes	Normal
4/1999	Yes	No	Yes	Yes	Yes	Normal
3/2002	Yes	Yes	No	No	Yes	Wet
4/2005	Yes	No – tiling	No-tiling	No -tiling	Yes	Normal
6/2006	Yes	No	No	No	Yes	Normal
6/2007	Yes	No.	No	No	Yes	Normal
5/2008	Yes	No	No	Yes	Yes	Normal
6/2009	Yes	Yes	Yes	Yes	Yes	Normal
6/2010	Yes	No	Yes	Yes	Yes	Normal
9/2011	Yes	Yes	Yes	Yes	Yes	Normal
3/2012	Yes	Yes	Yes	Yes	Yes	Normal
4/2013	Yes	No	Yes	Yes	Yes	Wet
5/2015	Yes	No	No	No	Yes	Normal
6/2016	Yes	Yes	Yes	Yes	Yes	Normal
4/2017	Yes	No	Yes	Yes	Yes	Wet
7/2018	Yes	No	Yes	Yes	Yes	Wet
10/2019	Yes	Yes	Yes	Yes	Yes	Wet
5/2020	Yes	Yes	Yes	Yes	Yes	Wet
5/2021	Yes	Yes	Yes	Yes	Yes	Dry
5/2023	Yes	No	Yes	Yes	Yes	Normal
4/2024	Yes	No	No	No	Yes	Wet
3/2025	Yes	No	No	No	Yes	Normal

¹Wetland Mapping Conventions (NRCS, 1998)

Off-site Summary

Overall, the off-site review suggests that at least two wetlands (within Area 1 and Area 5) are present within the Study Area based on the slide review in conjunction with local topography, NWI, and soil data. Area 2, Area 3, and Area 4, which showed wetland hydrology indicators in many years, appear to have been tiled or drained in 2023 (and before 2009). 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

²Antecedent Precipitation Tool (EPA, 2025)



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 May 29, 2025. Field conditions were warm and windy, with mostly sunny skies. The temperature was approximately 70 degrees Fahrenheit. The Study Area was planted with corn in 2025. Area 2, Area 3, and Area 4 were completely dry with no indication of wetland hydrology. Antecedent precipitation conditions were drier than norma.

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 - PEMC - 0.73 acres

Wetland 1, within Area 1, was identified during off-site review where every aerial slide with normal antecedent precipitation showed wetland hydrology signatures. Wetland 1 is a shallow basin intersecting the northwestern corner of the Study Area, and is connected to a large, off-site pond. The edge of Wetland 1 is consistently cropped by the tenant farmer. At SP 1-1, on the edge of the uncropped area, soils were saturated with a water table below 14 inches. Several secondary hydrology indicators, including geomorphic position (D2) and FAC-Neutral Test (D5), were identified. The soils were hydric, with a depleted stratum with redox under a deep, dark surface (A12). The plant community was hydrophytic and dominated by a thick monoculture of reed canary grass (*Phalaris arundinacea*). At SP 1-2, in the adjacent upland, soils were non-hydric and very distinct from wetland soils, and wetland hydrology indicators were not observed. The plant community was not evaluated at this location or used as wetland criteria due to cropping. However, volunteer milk weed (*Asclepias syriaca*) was growing in the some of the soybean margins. The wetland boundary was mapped by following the relatively pronounced concave to convex landform, cropping pattern, and presence of reed canary grass.



Wetland 2 – PEMC/PFOC – 1.86 acres

Wetland 2, within Area 5, was identified during off-site review where every aerial slide with normal antecedent precipitation showed wetland hydrology signatures, despite being obscured by woodland vegetation. Wetland 2 is a shallow floodplain basin at the base of a steep embankment, intersecting the southeastern corner of the Study Area. At SP 2-1, on the edge of the uncropped area, soils were saturated with a water table below 12 inches. Several secondary hydrology indicators, including geomorphic position (D2) and FAC-Neutral Test (D5), were identified. The soils were hydric, with a depleted stratum with redox under a deep, dark surface (A12). The plant community was hydrophytic and dominated by reed canary grass, box elder (*Acer negundo*), cottonwood (*Populus deltoides*), and scouring rush (*Equisetum praealtum*) At SP 1-2, in the adjacent upland, soils were non-hydric and very distinct from wetland soils, and wetland hydrology indicators were not observed. The plant community was not evaluated at this location or used as wetland criteria due to cropping. The wetland boundary was mapped by following the very pronounced concave to convex landform and presence of FAC-W or FAC species.

Area 2 - Upland

Area 2, identified during off-site review, is a small depression adjacent to the off-site pond in the northwestern portion of the Study Area. This Area showed wetland hydrology signatures in 4 of 14 slides with normal antecedent precipitation, indicating this Area is upland. Furthermore, it appears tiling was function before 2009 and after 2021. The tenant farmer indicated broken tiles were recently fixed throughout the site. At SP 2, wetland hydrology indicators were absent, and Area 2 was determined upland.

Area 3 – Upland

Area 3, identified during off-site review, is a small, closed depression in the northcentral portion of the Study Area. 8 of 14 slides with normal antecedent precipitation conditions, indicating this is a wetland. However, recent photos coupled with the site investigation suggest Area 3 has had drain tiles fixed or installed, and the area may have been filled. Aerial imagery suggests this occurred in 2021. Imagery prior to 2009 suggests drain tiles were functioning. The tenant farmer indicated broken tiles were recently fixed throughout the site. At SP 3, wetland hydrology indicators were absent, and Area 4 was determined to be currently upland.

Area 4 – Upland

Area 4, identified during off-site review, is a small depression adjacent to the off-site pond in the northwestern portion of the Study Area. This Area showed wetland hydrology signatures in 9 of 14 slides with normal antecedent precipitation, indicating this Area is a wetland. However, recent photos coupled with the site investigation suggest Area 4 has had drain tiles fixed or installed. Aerial imagery suggests this occurred in 2021. Imagery prior to 2009 suggests drain tiles were functioning. The tenant farmer indicated broken tiles were recently fixed throughout the site. At SP 3, wetland hydrology indicators were absent. Furthermore, the soils were very distinct, light, and had a gravel and sand component. Area 3 was determined to be currently upland.

SV CSG Wilson School Solar, LLC Wetland Delineation Report June 2025



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 may be connected, with limited downstream hydrology to WOUS and could be 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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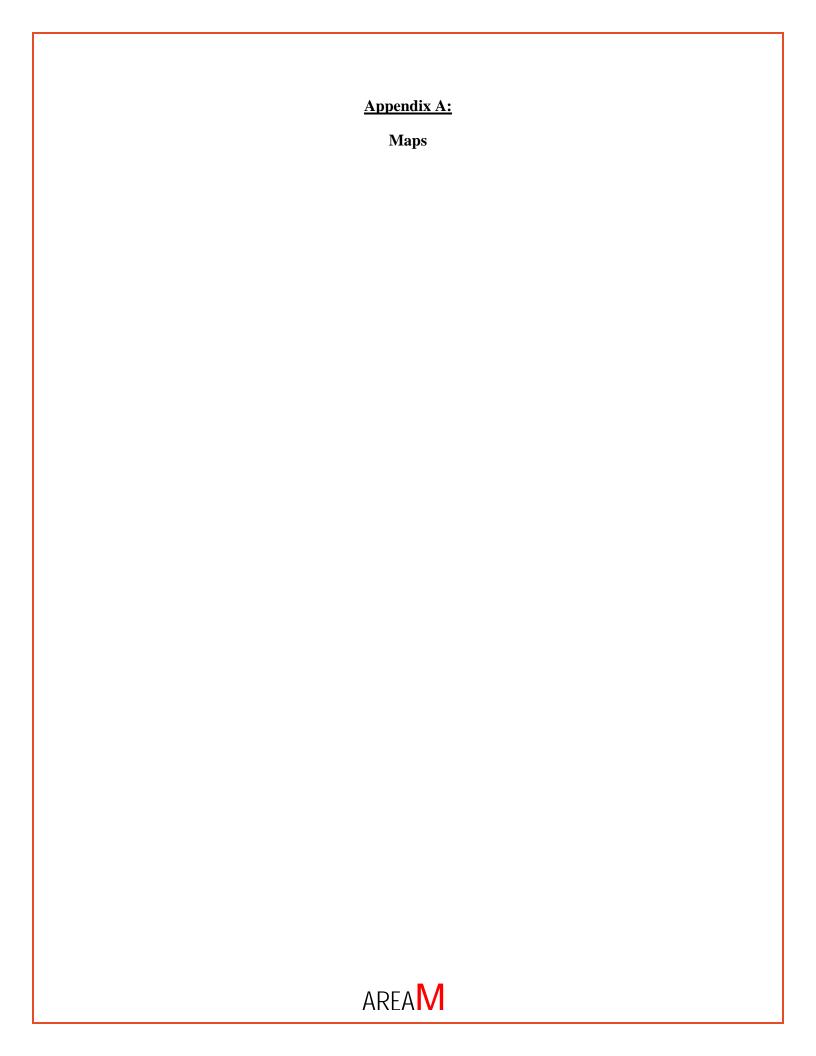
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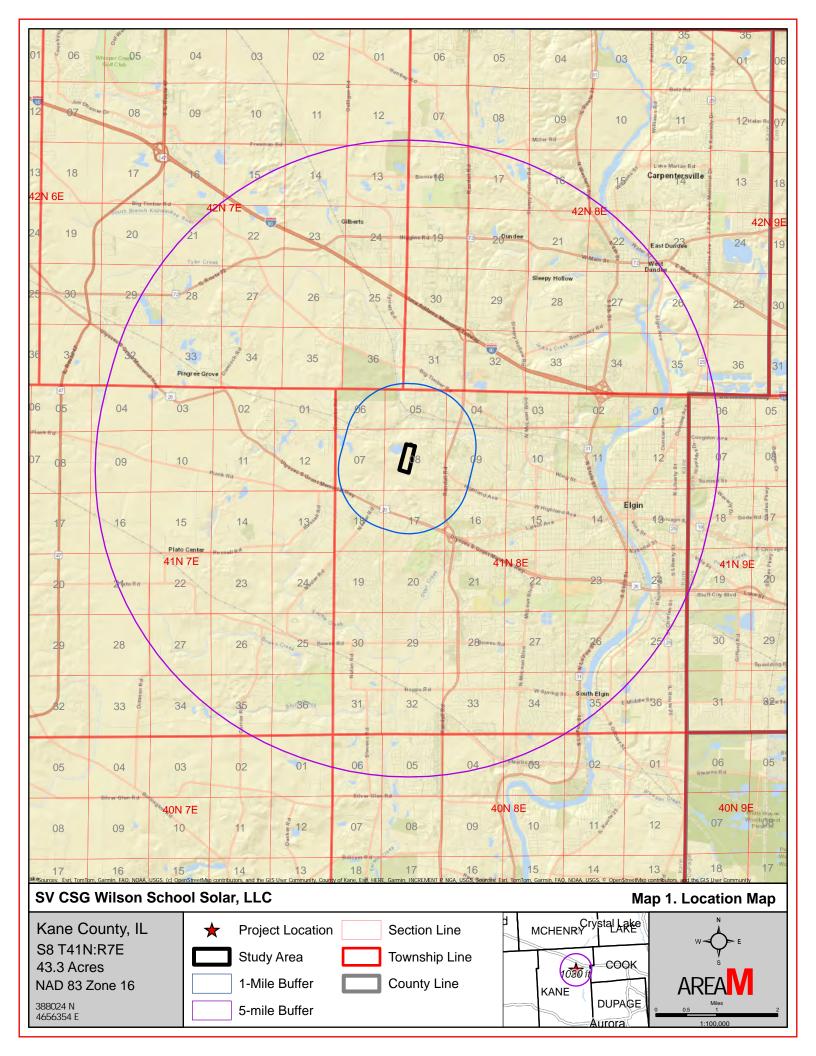
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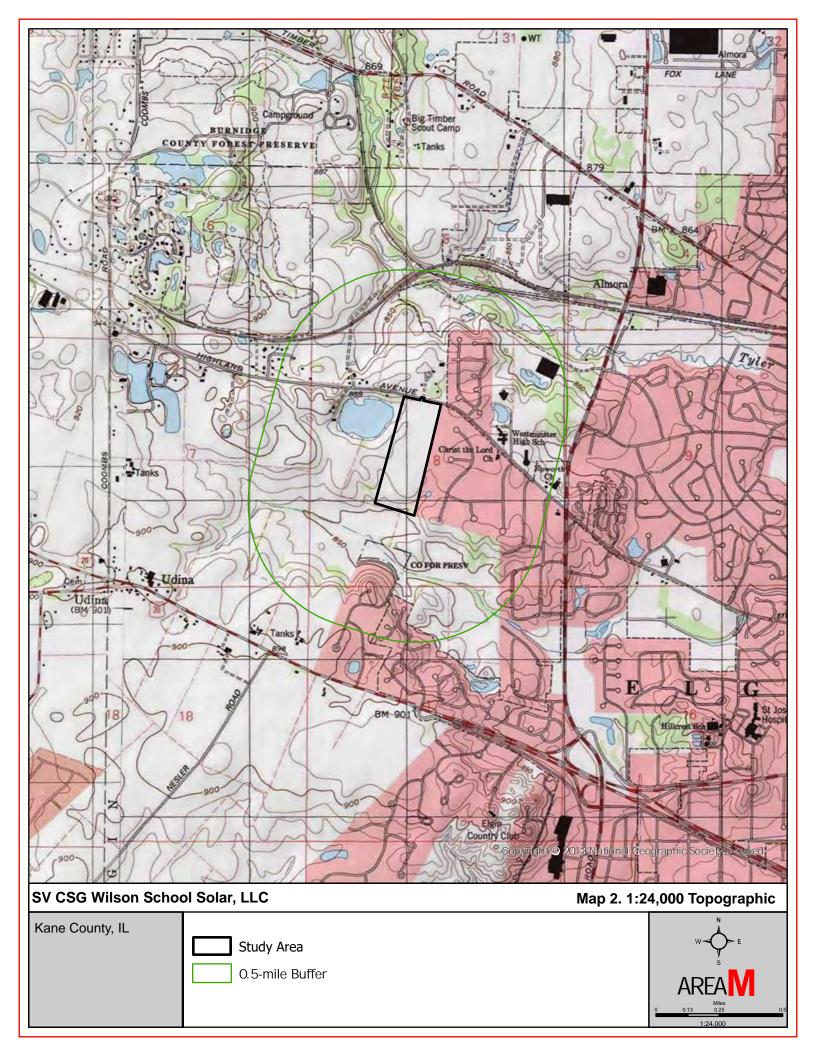
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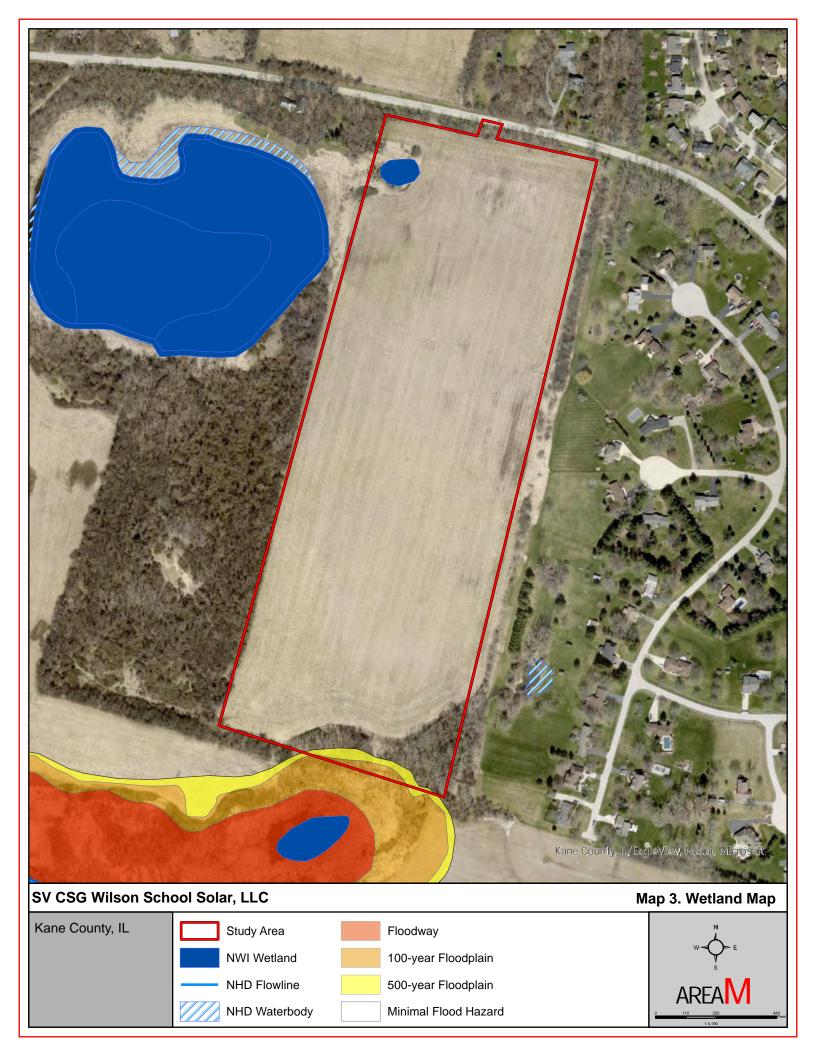
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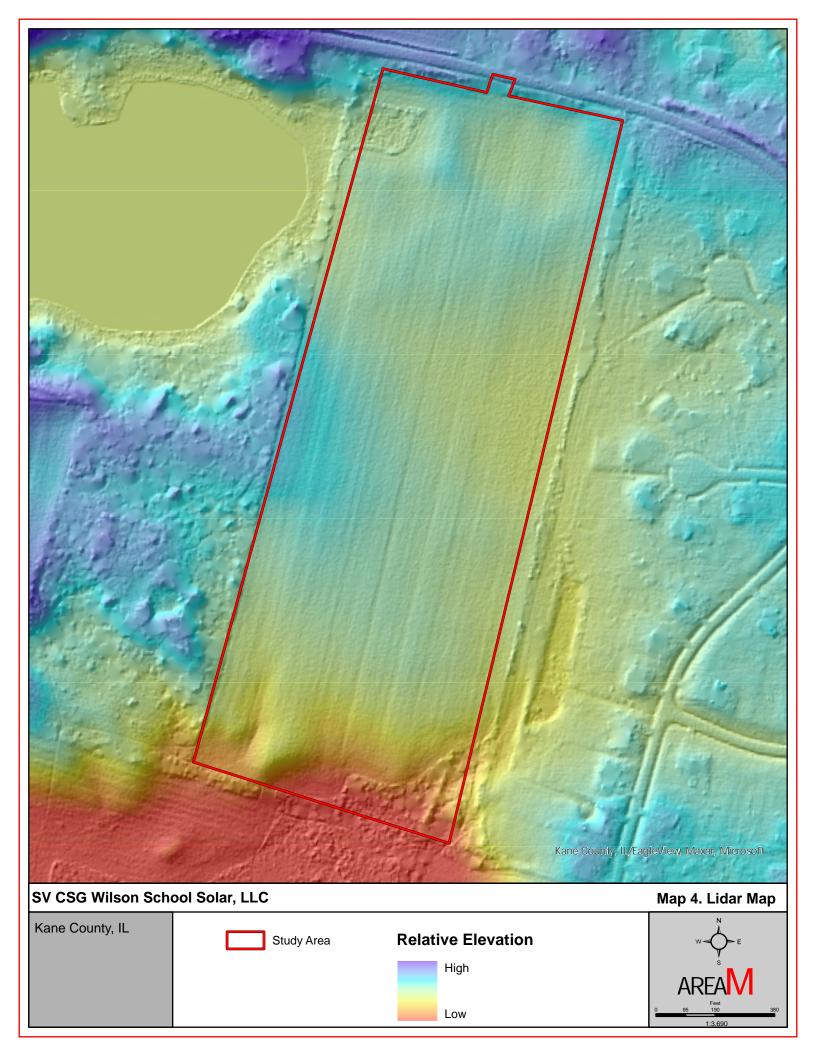
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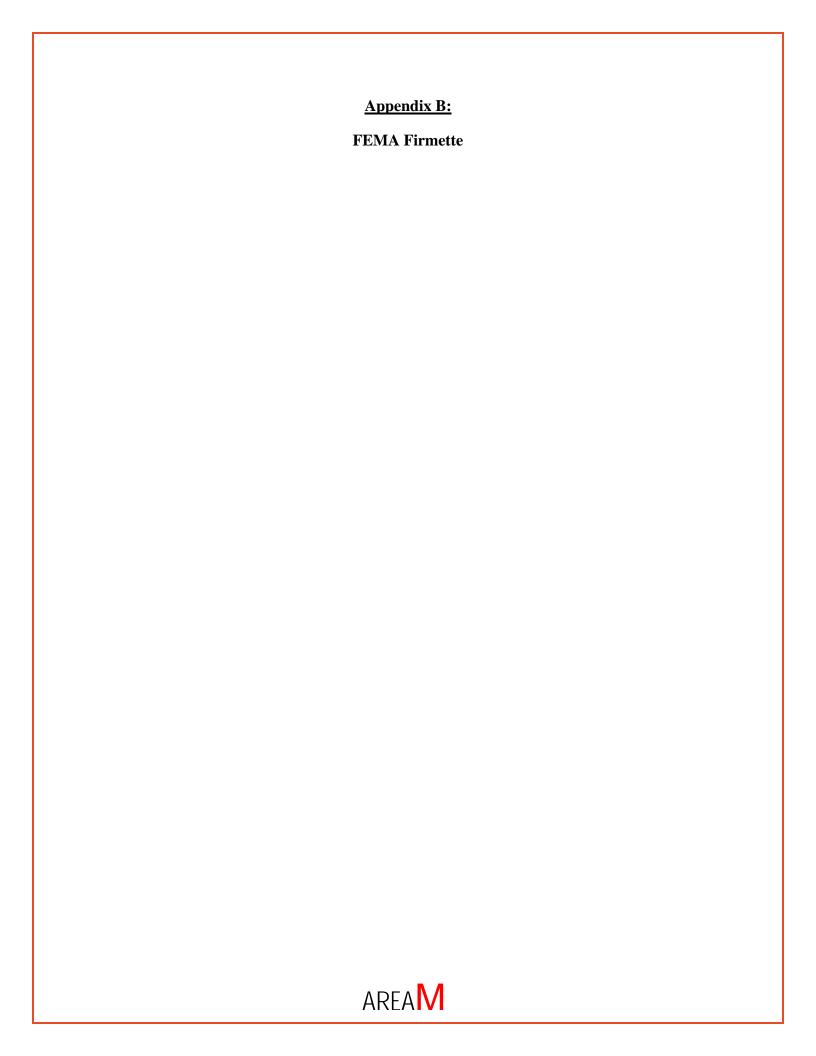












National Flood Hazard Layer FIRMette



Basemap Imagery Source: USGS National Map 2023

Legend SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD **HAZARD AREAS** Regulatory Floodway 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

OTHER AREAS OF FLOOD HAZARD

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

Future Conditions 1% Annual

NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D

GENERAL - - - Channel, Culvert, or Storm Sewer STRUCTURES | LILLIL Levee, Dike, or Floodwall

> 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline Profile Baseline**

Hydrographic Feature Digital Data Available

MAP PANELS

No Digital Data Available

Unmapped

OTHER

FEATURES

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

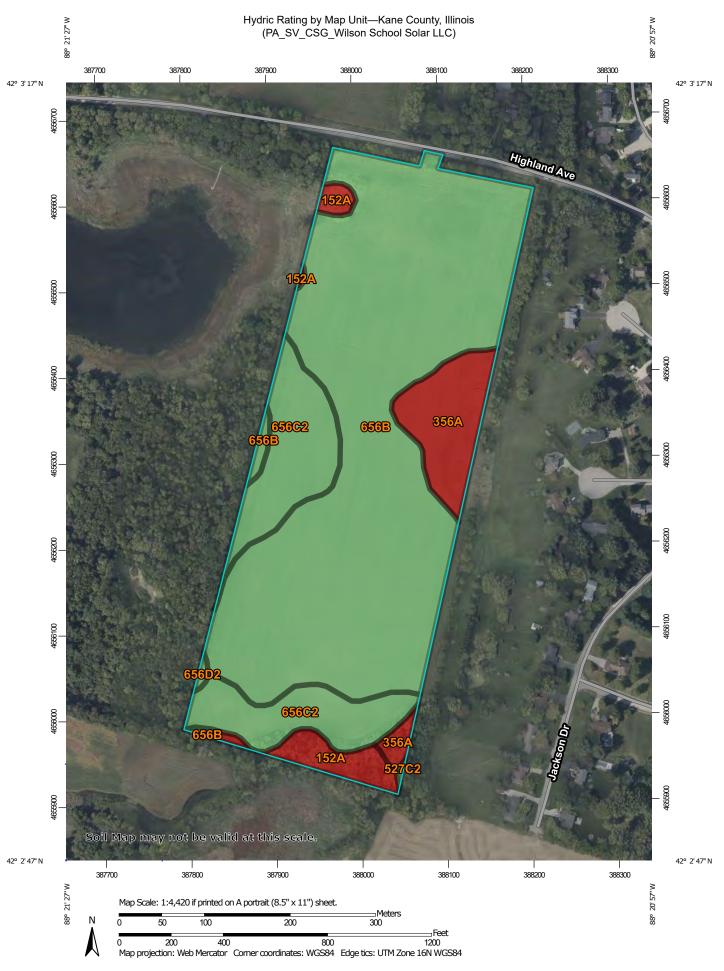
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/18/2025 at 5:41 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.







MAP LEGEND

Area of Interest (AOI) Transportation Area of Interest (AOI) Rails Soils Interstate Highways **Soil Rating Polygons** US Routes Hydric (100%) Major Roads Hydric (66 to 99%) Local Roads \sim Hydric (33 to 65%) **Background** Hydric (1 to 32%) Aerial Photography 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

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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 18, Aug 21, 2024

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			
152A	Drummer silty clay loam, 0 to 2 percent slopes	100	1.8	4.0%			
356A	Elpaso silty clay loam, 0 to 2 percent slopes	100	3.6	8.0%			
527C2	Kidami loam, 4 to 6 percent slopes, eroded	6	0.0	0.1%			
656B	Octagon silt loam, 2 to 4 percent slopes	8	31.4	70.9%			
656C2	Octagon silt loam, 4 to 6 percent slopes, eroded	3	7.4	16.8%			
656D2	Octagon silt loam, 6 to 12 percent slopes, eroded	4	0.1	0.2%			
Totals for Area of Inter	rest	44.3	100.0%				

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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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.

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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).

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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.
- 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;
- 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)	
152A: Drummer silty clay loam, 0 to 2 percent slopes	Drummer-Drained	90-100	Stream terraces on outwash plains,stream terraces on till plains,swales on outwash plains,swales on till plains	Yes	2	
	Peotone-Drained	0-9	Depressions on outwash plains	Yes	2	
	Harpster-Drained	0-9	Depressions on outwash plains	Yes	2	
356A: Elpaso silty clay loam, 0 to 2 percent slopes	Elpaso-Drained	88-100	Till plains,ground moraines	Yes	2	
	Harpster-Drained	0-7	Depressions on till plains	Yes	2	
	Peotone-Drained	0-5	Depressions on till plains	Yes	2	
527C2: Kidami loam, 4 to 6 percent slopes, eroded	Kidami	90	End moraines,ground moraines	No	_	
	Elpaso	3	Ground moraines,end moraines	Yes	2	
	Drummer	3	Outwash plains,ground moraines	Yes	2	
656B: Octagon silt loam, 2 to 4 percent slopes	Octagon	92	End moraines,ground moraines	No	_	
	Elpaso	8	Ground moraines,end moraines	Yes	2	
656C2: Octagon silt loam, 4 to 6 percent slopes, eroded	Octagon	92	Ground moraines,end moraines	No	_	
	Elpaso	3	Ground moraines,end moraines	Yes	2	
656D2: Octagon silt loam, 6 to 12 percent slopes, eroded	Octagon	92	Ground moraines,end moraines	No	_	
	Elpaso	4	Ground moraines,end moraines	Yes	2	
	Herbert	4	Ground moraines,end moraines	No	_	

Data Source Information

Soil Survey Area: Kane County, Illinois Survey Area Data: Version 18, Aug 21, 2024





April 1994



April 1999





March 2002



April 2005





June 2006



June 2007





May 2008



June 2009





June 2010



September 2011





March 2012



April 2013





May 2015



June 2016





April 2017



July 2018





October 2019



May 2020





May 2021



May 2023





April 2024



March 2025







General Project landscape, viewed to the northwest from the south-central portion of the Study Area



Wetland 1, viewed to the west from the eastern portion of the feature



Wetland 2, viewed to the south from the edge of the feature



Area 2, viewed to the southwest from the beyond the eastern extent of the feature



Area 3, viewed to the northwest from the edge of the feature



Area 4, viewed to the north from the southern edge of the feature



Project/Site: SV CSG Wilson School Solar, LLC	City/County:	Kane	Sampling	Date: 5/29/2025
Applicant/Owner: SV CSG Wilson School Solar, LLC		State:	IL Sampling	Point: SP 1-1
Investigator(s): J Knudsen	Section, Town	nship, Range: <u>8, 41N:7</u>	E	
Landform (hillside, terrace, etc.): Depression - swale	Loca	al relief (concave, convex	x, none): concave	
Slope (%): 2 Lat: _42.05359275	Long: <u>-88.3</u>	35336729	Datum: NA	D 83
Soil Map Unit Name: 152A - Drummer silty clay loam, 0 to 2 per	cent slopes	NV	WI classification: NW	/I
Are climatic / hydrologic conditions on the site typical for this time	ne of year? Yes	s No_X (If no, explain in Rem	arks.)
Are Vegetation, Soil, or Hydrologysignifican	tly disturbed? Are "	"Normal Circumstances"	present? Yes X	. No
Are Vegetation, Soil, or Hydrologynaturally p	problematic? (If ne	eeded, explain any answe	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map show	wing sampling ห	point locations, tra	nsects, importa	int features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sa	mpled Area		
Hydric Soil Present? Yes X No	within a	Wetland? Ye	es X No	
Wetland Hydrology Present? Yes X No				
Remarks: SP on uncropped wetland edge. Depression. Antecedent preci	nitation conditoins w	ere drier than normal.		
3F OII unclopped welland edge. Depression. Anticocdont provi	Jilation conditions we	ele uller than normal.		
VEGETATION – Use scientific names of plants.				
Absolu	te Dominant Inc	dicator		
Tree Stratum (Plot size: 30ft) % Cove			Test worksheet:	
1			ominant Species Tha	
2. 3.		Are OBL, FA		1(A)
		Total Number	er of Dominant Specie erata:	es 1 (B)
5.			ominant Species Tha	```
	=Total Cover	Are OBL, FA	•	100.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15ft)	_			
1			Index worksheet:	
2				Multiply by:
3		OBL species		= 0
5.		FACW species		= <u>160</u> = 0
5	=Total Cover	FAC species		
Herb Stratum (Plot size: 5ft)		UPL species		
1. Phalaris arundinacea 80	Yes F.	FACW Column Total		160 (B)
2.			e Index = B/A =	
3.				
4			Vegetation Indicat	
5			d Test for Hydrophyti	=
6			nance Test is >50%	
7			alence Index is ≤3.0 ¹	-1 (Duras dala pump perting
8			nological Adaptation: n Remarks or on a se	s ¹ (Provide supporting eparate sheet)
10			atic Hydrophytic Veg	
80	=Total Cover		f hydric soil and wetla	
Woody Vine Stratum (Plot size: 30ft)	_		inless disturbed or pi	
1		Hydrophytic		
2.		Vegetation		
	=Total Cover	Present?	Yes X	lo
Remarks: (Include photo numbers here or on a separate shee	t.)			
RCG Mono				

SOIL Sampling Point: SP 1-1

Depth	Matrix	•		x Featu			confirm the absence of	,
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 2/2	100					Loamy/Clayey	Dark gray
3-16	10YR 3/1	100					Loamy/Clayey	Dark , wet
16-20	10YR 4/1	95	10YR 5/6	5	С	M	Loamy/Clayey	SCL - redox
10 20	1011(4/1		10111 0/0				Loamy/olayey	OOL TOUCK
	-	· —— ·						
	-	. —— .						
	•	· -						
		. ——						
	oncentration, D=Dep	letion, RM	=Reduced Matrix, I	MS=Mas	ked Sand	d Grains		PL=Pore Lining, M=Matrix.
Hydric Soil			Cond. Cla					for Problematic Hydric Soils ³ :
Histosol			Sandy Gle	-				Prairie Redox (A16)
	oipedon (A2) stic (A3)		Sandy Reg					anganese Masses (F12) arent Material (F21)
	en Sulfide (A4)		Dark Surfa		0)			hallow Dark Surface (F22)
	d Layers (A5)		Loamy Mu	` '	eral (F1)			Explain in Remarks)
	uck (A10)		Loamy Gle				Other (Explain in Nomains)
	d Below Dark Surface	e (A11)	Depleted I					
	ark Surface (A12)	- (/	Redox Da				³ Indicators	of hydrophytic vegetation and
	lucky Mineral (S1)		Depleted I					d hydrology must be present,
	ucky Peat or Peat (S	3)	Redox De		` '			disturbed or problematic.
Restrictive	Layer (if observed):							
Type:								
Depth (ii	nches):						Hydric Soil Present?	Yes ^X No
Remarks:								
HYDROLO)GY							
Wetland Hv	drology Indicators:							
_	cators (minimum of o		ired: check all that	apply)			Secondary	Indicators (minimum of two require
	Water (A1)		Water-Sta		aves (B9)			e Soil Cracks (B6)
	ater Table (A2)		Aquatic Fa					ge Patterns (B10)
Saturation	on (A3)		True Aqua	tic Plan	ts (B14)		Dry-Se	ason Water Table (C2)
Water M	larks (B1)		Hydrogen	Sulfide	Odor (C1))	Crayfis	h Burrows (C8)
Sedimer	nt Deposits (B2)		Oxidized F	Rhizosph	neres on l	_iving R	oots (C3) X Saturat	tion Visible on Aerial Imagery (C9)
Drift Dep	oosits (B3)		Presence	of Redu	ced Iron ((C4)	Stunted	d or Stressed Plants (D1)
	at or Crust (B4)		Recent Iro	n Reduc	ction in Ti	lled Soil	• •	orphic Position (D2)
	oosits (B5)		Thin Muck		. ,		X FAC-N	eutral Test (D5)
·	on Visible on Aerial I				` '			
Sparsely	/ Vegetated Concave	Surface (B8)Other (Exp	olain in F	Remarks)		1	
Field Obser								
Surface Wat			No X		inches):			
Water Table			No X		inches): _		l	
Saturation P		es <u>X</u>	No	Depth (inches):	10	Wetland Hydrology	Present? Yes X No
	pillary fringe)		anitaring wall caris	l nhotos	n rovious	inanaa	stions) if available.	
Describe Ke	corded Data (stream	ı yauye, m	onitoring well, aerla	ıı priotos	, previou:	s mspec	alons), ii avaliable:	
Remarks:								
Remarks: Aerial review	v suggests wetland.							
	v suggests wetland.							

-Midwest Region-

Project/Site: SV CSG Wilson School Solar, LLC	City/County: Kane		Sampling Date: 5/29/2025
Applicant/Owner: SV CSG Wilson School Solar, LLC		State: IL	Sampling Point: SP 1-2
Investigator(s): J Knudsen	Section, Township, Ran	nge: 8, 41N:7E	
Landform (hillside, terrace, etc.): Slope - field edge	Local relief (co	oncave, convex, none):	None
Slope (%):3 Lat: 42.05359793	Long: <u>-88.35319741</u>		Datum: NAD 83
Soil Map Unit Name: 658B - Octagon silt loam, 2 to 4 percent slope	s	NWI classif	ication: None
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes	No X (If no, exp	olain in Remarks.)
Are Vegetation X, Soil , or Hydrology significantly d		· · · · · · · · · · · · · · · · · · ·	
Are Vegetation, Soil, or Hydrologynaturally prob	lematic? (If needed, exp	olain any answers in Rei	marks.)
SUMMARY OF FINDINGS – Attach site map showin			
Hydrophytic Vegetation Present? Yes No	Is the Sampled Are		
Hydric Soil Present? Yes No X	within a Wetland?		No X
Wetland Hydrology Present? Yes No X			
Remarks:			
SP on uncropped wetland edge. Depression. Antecedent precipitat	ion conditoins were drier th	nan normal. Cropping is	not normal circumstances.
VECETATION . Use exignific names of plants			
VEGETATION – Use scientific names of plants. Absolute	Dominant Indicator		1
Tree Stratum (Plot size: 30ft) % Cover		Dominance Test wor	ksheet:
1		Number of Dominant S	
2.		Are OBL, FACW, or F	AC: (A)
3	—— — I	Total Number of Domi Across All Strata:	·
5.	————I		(B)
	=Total Cover	Percent of Dominant S Are OBL, FACW, or F	·
Sapling/Shrub Stratum (Plot size: 15ft)	L	,	
1		Prevalence Index wo	orksheet:
2		Total % Cover of:	
3		OBL species	x 1 =
4	—— — I	FAC species	
5	Total Cover	FAC species FACU species	x 3 =
Herb Stratum (Plot size: 5ft)	Total Cover	UPL species	x 5 =
1		Column Totals:	(A) (B)
2.			= B/A =
3.			
4		Hydrophytic Vegetati	
5			Hydrophytic Vegetation
6		2 - Dominance Te	
7		3 - Prevalence Inc	
8			Adaptations ¹ (Provide supporting as or on a separate sheet)
9	————I		ophytic Vegetation ¹ (Explain)
10	Total Cover		opnytic vegetation (Explain) oil and wetland hydrology must
Woody Vine Stratum (Plot size: 30ft)	1000.0012	be present, unless dis	
1.		Hydrophytic	·
2.		Vegetation	
=	=Total Cover	Present? Yes_	No
Remarks: (Include photo numbers here or on a separate sheet.)	•		
Vegetatoin not evaluated or used as wetland criteria due to croppir	ıg.		

SOIL Sampling Point: SP 1-2

Depth	Matrix		Redo	x Features					
(inches)	Color (moist)	%	Color (moist)	% Type	1 Loc ²	Texture		Remarks	
0-8	10YR 3/2	100				Loamy/Clayey	Light, silty	y, dry - som	e sand
8-16	10YR 5/4	100				Loamy/Clayey	Some s	sand and gr	avel
16-22	10Yr 5/6	100				Loamy/Clayey		Clayey	
				· <u></u>					
				·					
1- 00						2, ,,			
Type: C=C Hydric Soil	•	pletion, RN	1=Reduced Matrix, I	MS=Masked Sa	nd Grains.		PL=Pore Linin		
Histosol			Sandy Glo	eyed Matrix (S4)			: Prairie Redox (•	3011S .
	oipedon (A2)		Sandy Re	-	1		/anganese Mas	` '	
	stic (A3)		Stripped N				Parent Material (
	n Sulfide (A4)		Dark Surfa				Shallow Dark Su	` '	١
	` ,			` ,	1))
	d Layers (A5) ick (A10)			ucky Mineral (F1 eyed Matrix (F2		Other	(Explain in Ren	iiainə)	
	d Below Dark Surfa	co (Δ11)		eyed Matrix (F2 Matrix (F3)	,				
	ark Surface (A12)	ω (A11)		rk Surface (F6)		³ Indicator	s of hydrophytic	vegetation	and
	lucky Mineral (S1)			Dark Surface (F	7)		nd hydrology mu	Ū	
	icky Peat or Peat (\$	33)		pressions (F8)	')		s disturbed or p	•	Σ11 ι ,
_				procession (i c)		41100	alotarboa or p	robioiriatio.	
	Layer (if observed):							
Type: Depth (i	achos):					Hydric Soil Present	,	Yes	No
							•		
Remarks:	<u> </u>								
	<u> </u>								
Remarks:					I				
Remarks:		:			I				
Remarks: HYDROLO Wetland Hy	DGY drology Indicators		uired; check all that	apply)		,	y Indicators (mir	nimum of tw	vo require
Remarks: HYDROLO Wetland Hy Primary Indi	DGY drology Indicators			apply) iined Leaves (B	9)	Secondar	y Indicators (mir ce Soil Cracks (vo require
Remarks: HYDROLO Wetland Hy Primary Indi Surface	OGY drology Indicators cators (minimum of		Water-Sta		9)	Secondar		(B6)	vo require
Remarks: HYDROLO Wetland Hy Primary Indi Surface	OGY drology Indicators cators (minimum of Water (A1) ater Table (A2)		Water-Sta	ined Leaves (B		Secondar Surfa Drain	ce Soil Cracks ((B6) 10)	vo require
AYDROLO Wetland Hy Primary Indi Surface High Wa	OGY drology Indicators cators (minimum of Water (A1) ater Table (A2)		Water-Sta Aquatic Fa True Aqua	nined Leaves (B auna (B13))	Secondar Surfa Drain Dry-S	ce Soil Cracks (age Patterns (B	(B6) 10) able (C2)	vo require
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatie Water M	drology Indicators cators (minimum of Water (A1) uter Table (A2) on (A3)		Water-Sta Aquatic Fa True Aqua Hydrogen	nined Leaves (B auna (B13) atic Plants (B14) (1)	Secondar Surfa Drain Dry-S Crayf	ce Soil Cracks (age Patterns (B eason Water Ta	(B6) 10) able (C2)	
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer	drology Indicators cators (minimum of Water (A1) hter Table (A2) on (A3) larks (B1)		Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	ained Leaves (B auna (B13) atic Plants (B14 Sulfide Odor (C) (1) n Living Ro	Secondar Surfa Drain Dry-S Crayf pots (C3)Satur	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8	(B6) 10) able (C2) 3) Aerial Imag	
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatie Water M Sedimer Drift Dep	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2)		Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	nined Leaves (B auna (B13) atic Plants (B14 Sulfide Odor (C Rhizospheres o) C1) n Living Ro n (C4)	Secondar Surfa Drain Dry-S Crayf Doots (C3) Satur Stunt	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8 ation Visible on	(B6) 10) able (C2) 3) Aerial Imag Plants (D1)	
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3)		Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro	nined Leaves (B auna (B13) atic Plants (B14 Sulfide Odor (C Rhizospheres of of Reduced Iro) C1) n Living Ro n (C4)	Secondar Surfa Drain Dry-S Crayf Oots (C3) Satur Stunt S (C6) Geon	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8 ation Visible on ed or Stressed F	(B6) 10) able (C2) 3) Aerial Imag Plants (D1) (D2)	·
AYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimer Drift Dep Algal Ma	drology Indicators cators (minimum of Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	one is requ	Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro Thin Muck	nined Leaves (B auna (B13) atic Plants (B14 Sulfide Odor (C Rhizospheres of of Reduced Iron on Reduction in) C1) n Living Ro n (C4)	Secondar Surfa Drain Dry-S Crayf Oots (C3) Satur Stunt S (C6) Geon	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8 ation Visible on ed or Stressed F norphic Position	(B6) 10) able (C2) 3) Aerial Imag Plants (D1) (D2)	
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep	drology Indicators cators (minimum of Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	one is requ	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 37) Gauge or	ained Leaves (Bauna (B13) atic Plants (B14 Sulfide Odor (C Rhizospheres of of Reduced Iron on Reduction in a Surface (C7)) c1) n Living Ro n (C4) Tilled Soil:	Secondar Surfa Drain Dry-S Crayf Oots (C3) Satur Stunt S (C6) Geon	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8 ation Visible on ed or Stressed F norphic Position	(B6) 10) able (C2) 3) Aerial Imag Plants (D1) (D2)	
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) osits (B3) at or Crust (B4) osits (B5) on Visible on Aerial	one is requ	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 37) Gauge or	ained Leaves (Bauna (B13) atic Plants (B14 Sulfide Odor (C Rhizospheres of of Reduced Iron on Reduction in a Surface (C7) Well Data (D9)) c1) n Living Ro n (C4) Tilled Soil:	Secondar Surfa Drain Dry-S Crayf Oots (C3) Satur Stunt S (C6) Geon	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8 ation Visible on ed or Stressed F norphic Position	(B6) 10) able (C2) 3) Aerial Imag Plants (D1) (D2)	·
Remarks: HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely	drology Indicators cators (minimum of Water (A1) Iter Table (A2) In (A3) Iarks (B1) In Deposits (B2) In Occits (B3) It or Crust (B4) In Occits (B5) In Visible on Aerial In Vegetated Concavivations:	one is requ	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 37) Gauge or	ained Leaves (Bauna (B13) atic Plants (B14 Sulfide Odor (C Rhizospheres of of Reduced Iron on Reduction in a Surface (C7) Well Data (D9)) n Living Ro n (C4) Tilled Soils	Secondar Surfa Drain Dry-S Crayf Oots (C3) Satur Stunt S (C6) Geon	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8 ation Visible on ed or Stressed F norphic Position	(B6) 10) able (C2) 3) Aerial Imag Plants (D1) (D2)	·
Remarks: HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser Surface Wa	drology Indicators cators (minimum of Water (A1) Inter Table (A2) Inter Table (A2) Inter Table (B1) Int Deposits (B2) Into Crust (B4) Into Crust (B4) Into Visible on Aerial Inter Vegetated Concave Vations: Inter Present?	one is required in the second of the second	Water-Sta	ained Leaves (B auna (B13) atic Plants (B14 Sulfide Odor (C Rhizospheres of of Reduced Iron on Reduction in a Surface (C7) Well Data (D9) plain in Remark) n Living Ro n (C4) Tilled Soil: s)	Secondar Surfa Drain Dry-S Crayf Oots (C3) Satur Stunt S (C6) Geon	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8 ation Visible on ed or Stressed F norphic Position	(B6) 10) able (C2) 3) Aerial Imag Plants (D1) (D2)	
Remarks: HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser Surface Water Table	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) on Visible on Aerial of Vegetated Concave vations: are Present?	Imagery (Ere Surface (Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro Thin Muck 37) Gauge or (B8) No X	ained Leaves (Bauna (B13) atic Plants (B14 Sulfide Odor (C Rhizospheres of of Reduced Iron on Reduction in a Surface (C7) Well Data (D9) plain in Remark) c1) n Living Ro n (C4) Tilled Soils s)	Secondar Surfa Drain Dry-S Crayf Oots (C3) Satur Stunt S (C6) Geon	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8 ation Visible on ed or Stressed F norphic Position Neutral Test (D8	(B6) 10) able (C2) 3) Aerial Imag Plants (D1) (D2)	gery (C9)
Remarks: HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser Surface Wa Water Table Saturation F	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) on Visible on Aerial of Vegetated Concave vations: are Present?	Imagery (E	Water-Sta	ained Leaves (Bauna (B13) atic Plants (B14 Sulfide Odor (C Rhizospheres of of Reduced Iron on Reduction in a Surface (C7) Well Data (D9) plain in Remark Depth (inches)) c1) n Living Ro n (C4) Tilled Soils s)	Secondar Surfa Dry-S Crayf Doots (C3) Satur Stunt S (C6) FAC-	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8 ation Visible on ed or Stressed F norphic Position Neutral Test (D8	(B6) 10) able (C2) 3) Aerial Imag Plants (D1) (D2) 5)	
Remarks: HYDROLO Wetland Hy Primary Indi Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser Surface Water Table Saturation F (includes ca	drology Indicators cators (minimum of Water (A1) Inter Table (A2) In (A3) Iarks (B1) Int Deposits (B2) Int Deposits (B3) Int or Crust (B4) Int or Crust (B4) Int Operated Concave Vations: Inter Present?	Imagery (E re Surface (res res	Water-Sta	ained Leaves (Bauna (B13) atic Plants (B14 Sulfide Odor (CRhizospheres of of Reduced Iron on Reduction in a Surface (C7) Well Data (D9) plain in Remark Depth (inches) Depth (inches)) n Living Ron (C4) Tilled Soils s)	Secondar Surfa Drain Dry-S Crayf Soots (C3) Satur Stunt S (C6) FAC-	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8 ation Visible on ed or Stressed F norphic Position Neutral Test (D5	(B6) 10) able (C2) 3) Aerial Imag Plants (D1) (D2) 5)	gery (C9)
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Remarks: HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser Surface War Water Table Saturation F (includes ca Describe Re	drology Indicators cators (minimum of Water (A1) Inter Table (A2) In (A3) Iarks (B1) Int Deposits (B2) Int Deposits (B3) Int or Crust (B4) Int or Crust (B4) Int Operated Concave Vations: Inter Present?	Imagery (E re Surface (res res res m gauge, m	Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro Thin Muck Gauge or (B8) Other (Exp No X No X No X	ained Leaves (Bauna (B13) atic Plants (B14 Sulfide Odor (CRhizospheres of of Reduced Iron on Reduction in a Surface (C7) Well Data (D9) plain in Remark Depth (inches) Depth (inches)) n Living Ron (C4) Tilled Soils s)	Secondar Surfa Drain Dry-S Crayf Soots (C3) Satur Stunt S (C6) FAC-	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8 ation Visible on ed or Stressed F norphic Position Neutral Test (D5	(B6) 10) able (C2) 3) Aerial Imag Plants (D1) (D2) 5)	gery (C9)
Remarks: HYDROLO Wetland Hy Primary Indi Surface High Wa Saturation Vater M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser Surface War Water Table Saturation F (includes ca Describe Re	drology Indicators cators (minimum of Water (A1) Inter Table (A2) Inter Table (A2) Inter Table (B1) Int Deposits (B2) Into Crust (B4) Into Crust (B4) Into Crust (B4) Into Crust (B5) Into Visible on Aerial Inter Vegetated Concave Vations: Inter Present? Inter Pr	Imagery (E re Surface (res res res m gauge, m	Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro Thin Muck Gauge or (B8) Other (Exp No X No X No X	ained Leaves (Bauna (B13) atic Plants (B14 Sulfide Odor (CRhizospheres of of Reduced Iron on Reduction in a Surface (C7) Well Data (D9) plain in Remark Depth (inches) Depth (inches)) n Living Ron (C4) Tilled Soils s)	Secondar Surfa Drain Dry-S Crayf Soots (C3) Satur Stunt S (C6) FAC-	ce Soil Cracks (age Patterns (B eason Water Ta sh Burrows (C8 ation Visible on ed or Stressed F norphic Position Neutral Test (D5	(B6) 10) able (C2) 3) Aerial Imag Plants (D1) (D2) 5)	gery (C9)

Project/Site: SV CSC	3 Wilson Schoo	ol Solar, LLO	С		City/	/Coun	ty: Kane				Samp	oling Date:	5/29/2	2025
Applicant/Owner:	SV CSG Wilso	on School S	Solar, LL	С					State:	IL	Samp	oling Point:	S	P 2
Investigator(s): J Knu	ıdsen				Section	ion, To	ownship, Ra	ange:	8, 41N:7	E				
Landform (hillside, te	errace, etc.): Mi	inor depres	sion			L	ocal relief (d	concav	e, conve	x, none):	None			
Slope (%): 2	Lat: 42.0527	0912			Lor	ng: <u>-8</u>	8.35417294	4			Datum:	NAD 83		
Soil Map Unit Name:	152A - Drumm	ner silty clay	y loam, C	to 2 perce	nt slopes				NV	VI class	ification:	None		
Are climatic / hydrolc	gic conditions	on the site	typical fo	r this time o	of year?	Υ	'es							
Are Vegetation X	, Soil, c	or Hydrolog	ys	ignificantly	disturbed								o X	
Are Vegetation	, Soil, c	or Hydrolog	yn	aturally pro	blematic?	? (If	needed, ex	xplain a	any answe	ers in Re	emarks.)	·		-
SUMMARY OF I	FINDINGS -	Attach s	site ma	p showii	ng sam	pling	g point lo	ocatio	ns, tra	nsects	s, impo	ortant fea	tures	, etc.
Hydrophytic Vegeta	tion Present?	Yes	No		Is	s the	Sampled A	rea						
Hydric Soil Present		Yes X	- No				a Wetland		Υe	es	No	X		
Wetland Hydrology	Present?	Yes	No	X							_			
Remarks: SP on uncropped w	retland edge wh	nicfh historic	cally has	shown som	ne vears o	of satu	ıration/non-	croppir	na Antece	edent pre	ecipitatio	n conditoin	s were	drier
than normal. Croppi				011011111111111111111111111111111111111	io youro c	or our	induoti/fiorr	огорри	19.7 111000	out pro	Joiphano	Tr corrations		unor
VEGETATION -	Use scientif	ic names	of pla											
Tree Stratum	(Plot size:	30ft)	Absolute % Cover	Domina Specie		Indicator Status	Dor	ninance	Test wo	rksheet	:		
1.	` <u> </u>							Nun	nber of D	ominant	Species	That		
2								Are	OBL, FA	CW, or	FAC:			(A)
3.									al Numbe		ninant Sp	pecies		(D)
4. 5.									oss All St					- ^(B)
J					=Total Co	over			cent of Do		•	That		(A/B)
Sapling/Shrub Strat	:um (Plot	size: 1	5ft)		_10tai 0t	010.		/	002, 170	O 11, Oi	. 7.0.			. (, (, 5)
1.	,							Pre	valence	lndex w	orkshee	et:		
2.								l	Total %	Cover o	of:	Multiply	/ by:	_
3									_ species			x 1 =		-
4									CW speci			x 2 =		-
5					=Total Co				C species CU specie			x 3 =		-
Herb Stratum	(Plot size:	5ft)		= rotal Ct	ovei			_ species			x 4 = x 5 =		-
1	· —		- ′						umn Tota					- (B)
2									revalenc			<i>'</i>		. (/
3.														•
4.								Hyd	lrophytic	Vegeta	tion Ind	icators:		
5								l	1 - Rapid	Test fo	r Hydrop	hytic Veget	tation	
6					•				2 - Domi	nance T	est is >5	50%		
									3 - Preva					
8. 9.												tions ¹ (Prov a separate		porting
10.									Problema	atic Hyd	rophytic	Vegetation	¹ (Expla	ıin)
					=Total Co	over				-		wetland hyd		must
Woody Vine Stratur			0ft)					be p	oresent, u	nless di	sturbed	or problema	atic.	
1							 -		Irophytic					
					=Total Co	over		_	etation sent?	Yes		No		
Remarks: (Include	photo numbers	here or on	a separ					<u> </u>					_	
Vegetatoin not eval					ng.									

SOIL Sampling Point: SP 2

	Matrix	`	Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-10	10YR 3/2	100					Loamy/Clayey	Silty	, dry some sa	and
10-20	10YR 3/1	100					Loamy/Clayey	Darker with son	ne sand - out ou	ıt of plow zon
20-23	10Yr 4/2	95	10YR 5/6	5	С	M	Loamy/Clayey	Claver.	reduced with	redox
20 20	1011 1/2		10111 0/0		<u> </u>		Loamyrolayoy	Olayor,	Toddood Willi	TOGOX
								-		
- , ,	•	epletion, RM	M=Reduced Matrix, N	MS=Masl	ked Sand	d Grains.		: PL=Pore Lin		
•	Indicators:		Canaly Ola		(C 1)			rs for Problem	-	Solis":
Histosol	` '		Sandy Gle	-	IX (54)			st Prairie Redox		
	pipedon (A2) istic (A3)		Sandy Red		• • • • • • • • • • • • • • • • • • • •			Manganese Ma		
	` '		Stripped M Dark Surfa))			Parent Materia		`
	en Sulfide (A4)			. ,	rol (E1)			Shallow Dark)
	d Layers (A5)		Loamy Mu	-			Ome	r (Explain in Re	ziliaiK5)	
	uck (A10) d Below Dark Surf	ace (A11)	Loamy Gir Depleted I	•	. ,					
	ark Surface (A12)	ace (ATT)	Redox Da				3Indicate	rs of hydrophyt	io vocatation	and
	Ark Surface (A12) Aucky Mineral (S1)		Depleted [` '				_	
	ucky Nilleral (31)		Redox De		` '	,		and hydrology r ss disturbed or		ent,
	-	-	RCGOX DC	pression	3 (1 0)	1	unic	33 disturbed of	problematic.	
	Layer (if observe	a):								
Type:							Undeia Cail Busses	10	Yes X	NI-
Depth (i	nches).						Hydric Soil Presen	1.7	res	No
	soils over more ty	pical wetlna	d soils - appears tha	at soil ha	s been n	noved are	ound			
	soils over more ty	pical wetlna	d soils - appears tha	at soil ha	s been n	noved are	ound			
Tilled lighter		pical wetlna	d soils - appears tha	at soil ha	s been n	noved are	ound			
Tilled lighter			d soils - appears tha	at soil ha	s been n	noved are	ound			
Tilled lighter HYDROLO Wetland Hy	OGY rdrology Indicator	rs:	d soils - appears tha		s been n	noved are		ry Indicators (n	ninimum of tv	wo required
Tilled lighter HYDROLO Wetland Hy Primary Indi	OGY rdrology Indicator	rs:		apply)			<u>Seconda</u>	ry Indicators (n		vo required
Tilled lighter HYDROLO Wetland Hy Primary Indi Surface	OGY rdrology Indicator cators (minimum c	rs:	uired; check all that	apply) ined Lea	ves (B9)		Seconda Surfa Drair	ace Soil Cracks nage Patterns (s (B6) (B10)	wo required
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati	OGY rdrology Indicator cators (minimum of Water (A1) ater Table (A2) on (A3)	rs:	uired; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1 ttic Plant	ves (B9) 3) s (B14)	r	Seconda Surfa Drair Dry-3	ace Soil Cracks nage Patterns (Season Water	s (B6) B10) Table (C2)	vo required
Tilled lighter HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M	ordrology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1)	rs:	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 stic Plant Sulfide (ves (B9) 3) s (B14) Odor (C1)	Seconda Surfa Drair Dry-3 Cray	ace Soil Cracks nage Patterns (Season Water fish Burrows (C	s (B6) (B10) Table (C2) (C8)	
Tilled lighter HYDROLO Wetland Hy Primary Indi Surface High Water Model Sedime	order (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2)	rs:	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 atic Plant Sulfide (Rhizosph	ves (B9) 3) s (B14) Odor (C1 eres on l) Living Rd	SecondaSurfaDrainDry-tCray pots (C3)Satu	ace Soil Cracks nage Patterns (Season Water fish Burrows (C ration Visible o	s (B6) B10) Table (C2) C8) n Aerial Imag	
Tilled lighter HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimer Drift De	DGY rdrology Indicator cators (minimum of water (A1) ater Table (A2) on (A3) flarks (B1) nt Deposits (B2) posits (B3)	rs:	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc	ves (B9) 3) s (B14) Odor (C1 eres on l) Living Ro (C4)	Seconda Surfa Drair Cray pots (C3)Satu Stun	ace Soil Cracks hage Patterns (Season Water fish Burrows (C ration Visible o ted or Stressed	s (B6) B10) Table (C2) C8) n Aerial Imaç d Plants (D1)	
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IYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimel Drift Del Algal Ma Iron Dep Inundati Sparsely Field Obser Surface Wa Water Table Saturation F	or various (B4) con Visible on Aeric y Vegetated Concar vations: ter Present? Present?	rs: of one is requal al Imagery (Eave Surface (uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 37) Gauge or 1 (B8) Other (Exp	apply) ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc surface Well Dat blain in R	ves (B9) 3) s (B14) Odor (C1 eres on led Iron (C7) a (D9) emarks) nches):nches):nches): _) Living Rd (C4) illed Soils	Seconda Surfa Drair Dry-3 Cray Satu Stun S (C6) X Geor	ace Soil Cracks hage Patterns (Season Water fish Burrows (C ration Visible o ted or Stressed morphic Position Neutral Test (I	s (B6) B10) Table (C2) C8) n Aerial Imaç d Plants (D1) on (D2)	
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimee Drift Del Algal Ma Iron Dep Inundati Sparsele Field Obser Surface Wa Water Table Saturation F (includes ca	or various indicators (minimum of water (A1) ater Table (A2) on (A3) flarks (B1) at or Crust (B4) posits (B5) on Visible on Aeria various: ter Present? Present?	al Imagery (Eave Surface (YesYesYes	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro Thin Muck 37) Gauge or (B8) Other (Exp No X No X No X	apply) ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc on Reduc s Surface Well Dat blain in R Depth (ii Depth (iii	ves (B9) 3) s (B14) Ddor (C1 eres on letton in Ti (C7) a (D9) emarks) nches): nches):) Living Ro (C4) illed Soils	Seconda Surfa Drair Dry-3 Cray Satu Stun S (C6) X Geor FAC	ace Soil Cracks hage Patterns (Season Water fish Burrows (C ration Visible o ted or Stressed morphic Position Neutral Test (I	s (B6) B10) Table (C2) C8) n Aerial Imaç d Plants (D1) on (D2) D5)	gery (C9)
Tilled lighter HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimer Drift Der Algal Ma Iron Der Inundati Sparsely Field Obser Surface Wa Water Table Saturation F (includes ca	or various indicators (minimum of water (A1) ater Table (A2) on (A3) flarks (B1) at or Crust (B4) posits (B5) on Visible on Aeria various: ter Present? Present?	al Imagery (Eave Surface (YesYesYes	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 37) Gauge or 1 (B8) Other (Exp	apply) ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc on Reduc s Surface Well Dat blain in R Depth (ii Depth (iii	ves (B9) 3) s (B14) Ddor (C1 eres on letton in Ti (C7) a (D9) emarks) nches): nches):) Living Ro (C4) illed Soils	Seconda Surfa Drair Dry-3 Cray Satu Stun S (C6) X Geor FAC	ace Soil Cracks hage Patterns (Season Water fish Burrows (C ration Visible o ted or Stressed morphic Position Neutral Test (I	s (B6) B10) Table (C2) C8) n Aerial Imaç d Plants (D1) on (D2) D5)	gery (C9)
HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimel Drift Del Algal Ma Iron Dep Inundati Sparsely Field Obsel Surface Wa Water Table Saturation F (includes ca	or various indicators (minimum of water (A1) ater Table (A2) on (A3) flarks (B1) at or Crust (B4) posits (B5) on Visible on Aeria various: ter Present? Present?	al Imagery (Eave Surface (YesYesYes	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro Thin Muck 37) Gauge or (B8) Other (Exp No X No X No X	apply) ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc on Reduc s Surface Well Dat blain in R Depth (ii Depth (iii	ves (B9) 3) s (B14) Ddor (C1 eres on letton in Ti (C7) a (D9) emarks) nches): nches):) Living Ro (C4) illed Soils	Seconda Surfa Drair Dry-3 Cray Satu Stun S (C6) X Geor FAC	ace Soil Cracks hage Patterns (Season Water fish Burrows (C ration Visible o ted or Stressed morphic Position Neutral Test (I	s (B6) B10) Table (C2) C8) n Aerial Imaç d Plants (D1) on (D2) D5)	gery (C9)
IYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimee Drift Dee Algal Ma Iron Dee Inundati Sparsele Field Obser Surface Wa Water Table Saturation F (includes ca	or various indicators (minimum of water (A1) ater Table (A2) on (A3) flarks (B1) at or Crust (B4) posits (B5) on Visible on Aeria various: ter Present? Present?	al Imagery (Eave Surface YesYes	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro Thin Muck 37) Gauge or 1 (B8) Other (Exp No X No	apply) ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc on Reduc s Surface Well Dat blain in R Depth (ii Depth (iii	ves (B9) 3) s (B14) Ddor (C1 eres on letton in Ti (C7) a (D9) emarks) nches): nches):) Living Ro (C4) illed Soils	Seconda Surfa Drair Dry-3 Cray Satu Stun S (C6) X Geor FAC	ace Soil Cracks hage Patterns (Season Water fish Burrows (C ration Visible o ted or Stressed morphic Position Neutral Test (I	s (B6) B10) Table (C2) C8) n Aerial Imaç d Plants (D1) on (D2) D5)	gery (C9)
IYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimee Drift Dee Algal Ma Iron Dee Inundati Sparsele Field Obser Surface Wa Water Table Saturation F (includes ca	or vations: ter Present? Present? Present? Present? Present or Vator (A) Present or Crust (B)	al Imagery (Eave Surface YesYes	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro Thin Muck 37) Gauge or 1 (B8) Other (Exp No X No	apply) ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc on Reduc s Surface Well Dat blain in R Depth (ii Depth (iii	ves (B9) 3) s (B14) Ddor (C1 eres on letton in Ti (C7) a (D9) emarks) nches): nches):) Living Ro (C4) illed Soils	Seconda Surfa Drair Dry-3 Cray Satu Stun S (C6) X Geor FAC	ace Soil Cracks hage Patterns (Season Water fish Burrows (C ration Visible o ted or Stressed morphic Position Neutral Test (I	s (B6) B10) Table (C2) C8) n Aerial Imaç d Plants (D1) on (D2) D5)	gery (C9)

$\label{eq:csg_wilson_school} \textit{Project/Site:} \ \underline{\textit{SV CSG Wilson School Solar}},$	LLC	City/County	y: Kane		Sam	npling Date:	5/29/2025
Applicant/Owner: SV CSG Wilson School	ol Solar, LLC			State:	IL Sam	pling Point:	SP3
Investigator(s): J Knudsen		Section, To	wnship, Range:	8, 41N:7E			
Landform (hillside, terrace, etc.): depression	n	Lo	cal relief (conc	ave, convex,	none): None		
Slope (%): 2 Lat: _42.05327356		Long: <u>-88</u>	.35223437		Datum	n: NAD 83	
Soil Map Unit Name: 656B - Octagon silt loa	am, 2 to 4 percent slope	es —		NW	T classification	n: Concave	
Are climatic / hydrologic conditions on the si	ite typical for this time o		esN		no, explain in	Remarks.)	
Are Vegetation X , Soil , or Hydro	logysignificantly		·	· · ·			o_X_
Are Vegetation, Soil, or Hydro	logy naturally pro	blematic? (If i	needed, explair	n any answers	in Remarks	.)	
SUMMARY OF FINDINGS – Attac	·						atures, etc.
Hydrophytic Vegetation Present? Yes	No	Is the S	ampled Area				
Hydric Soil Present? Yes			Wetland?	Yes	No	о_ X	
Wetland Hydrology Present? Yes				•			
Remarks: SP in cropland - doesn not stand out from	surrounding cropland. A	Aerial review sug	gests recent til	ling or fixed ti	les. Antecede	ent precipitat	ion conditoins
were drier than normal. Cropping is not nor							
VEGETATION – Use scientific nam	· · · · · · · · · · · · · · · · · · ·						
Tree Stratum (Plot size: 30ft	Absolute) % Cover		ndicator Status D e	ominance Te	st workshee	et:	
1.		<u> </u>		umber of Don			
2.				re OBL, FAC\			(A)
3			То	otal Number o	of Dominant S	Species	
4.			A	cross All Stra	ta:		(B)
5		=Total Cover		ercent of Dom	•	s That	(A/D)
Sapling/Shrub Stratum (Plot size:		= rotal Cover	A	re OBL, FAC\	V, OI FAC.		(A/B)
1.	,		Pi	revalence Inc	dex workshe	et:	
2.				Total % Co	over of:	Multiply	/ by:
3.			o	BL species		x 1 =	
4			F/	ACW species		x 2 =	
5			F	AC species		x 3 =	
		=Total Cover		ACU species		x 4 =	
Herb Stratum (Plot size: 5ft)			PL species		x 5 =	
1.			C	olumn Totals:		(A)	(B)
2.				Prevalence I	ndex = B/A =	=	
3.				ydrophytic V	agatation In	diantara	
4 5.			"		est for Hydro		tation
					ince Test is >		alion
					nce Index is :		
7.							vide supporting
9.					Remarks or o	,	
10.				Problemati	c Hydrophytic	c Vegetation	¹ (Explain)
		=Total Cover		_ ndicators of h		-	
Woody Vine Stratum (Plot size:	30ft)			e present, unl			
1			н	ydrophytic			
2			v	egetation			
		=Total Cover	P	resent?	Yes	No	<u> </u>
Remarks: (Include photo numbers here or Vegetatoin not evaluated or used as wetlar		ng.					
	• • • • • • • • • • • • • • • • • • • •						

SOIL Sampling Point: SP3

Depth	Matrix		Redo	x Feature	s				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rer	narks
0-15	10YR 5/1	100					Loamy/Clayey	Sand a	nd gravel
15-22	10Yr 3/1	100					Loamy/Clayey	Silty c	ay loam
	•								
	-								
Type: C=Co	ncentration, D=Dep	oletion, RM=	Reduced Matrix, I	MS=Mask	ed Sand	Grains	. ² Location:	PL=Pore Lining, N	л=Matrix.
Hydric Soil I	ndicators:						Indicators	s for Problematic	Hydric Soils ³ :
Histosol (A1)		Sandy Gle	eyed Matri	x (S4)		Coast	t Prairie Redox (A1	6)
Histic Ep	pedon (A2)		Sandy Re	dox (S5)			Iron-N	Manganese Masses	s (F12)
Black His	tic (A3)		Stripped N	/latrix (S6)			Red F	Parent Material (F2	1)
Hydroger	Sulfide (A4)		Dark Surfa	ace (S7)			Very \$	Shallow Dark Surfa	ce (F22)
Stratified	Layers (A5)		Loamy Mu	ıcky Minei	al (F1)		Other	(Explain in Remar	ks)
2 cm Mu	ck (A10)		Loamy Glo	eyed Matr	x (F2)				
Depleted	Below Dark Surfac	e (A11)	Depleted I	Matrix (F3)				
Thick Da	rk Surface (A12)		Redox Da	rk Surface	(F6)		³ Indicators	s of hydrophytic veg	getation and
Sandy M	ucky Mineral (S1)		Depleted I	Dark Surfa	ace (F7)		wetlar	nd hydrology must	be present,
5 cm Mu	cky Peat or Peat (S	3)	Redox De	pressions	(F8)		unles	s disturbed or prob	lematic.
Restrictive L	ayer (if observed)	:							
Type:									
Depth (in	ches):						Hydric Soil Present	? Yes	No_
VDDOL O	OV								
IYDROLO	Irology Indicators								
-	ators (minimum of		red: check all that	annly)			Secondari	y Indicators (minim	um of two requ
•	Vater (A1)	one is requi	Water-Sta		es (R9)			ce Soil Cracks (B6)	
	er Table (A2)		Aquatic Fa					age Patterns (B10)	
Saturatio	` '		True Aqua	`	,			eason Water Table	
Water Ma			Hydrogen					ish Burrows (C8)	, (02)
	Deposits (B2)		Oxidized F		, ,			ation Visible on Ae	rial Imagery (C9
Drift Dep			Presence			-		ed or Stressed Plar	
	or Crust (B4)		Recent Iro					norphic Position (D2	
Iron Depo			Thin Muck				• •	Neutral Test (D5)	,
	n Visible on Aerial	Imagery (B7					_		
	Vegetated Concav	0 , (, <u>—</u>						
ield Observ	ations:		<u> </u>						
Surface Wate	er Present? Y	es	No X	Depth (in	ches):				
Vater Table	Present? Y	es	No X	Depth (in	_				
Saturation Pr	esent? Y	es	No X	Depth (in	_		Wetland Hydrolog	y Present? Yes	No_
includes cap	illary fringe)								
Describe Red	corded Data (strean	n gauge, mo	onitoring well, aeria	al photos,	previous	inspec	tions), if available:		
Remarks:									
Aerial review	suggests area is u	oland after t	ile repair						
								Midwest	

Project/Site: SV CSG Wilson School Solar, LLC	City/County: Kane Sampling Date: 5/29/2025
Applicant/Owner: SV CSG Wilson School Solar, LLC	State: IL Sampling Point: SP 4
Investigator(s): J Knudsen	ection, Township, Range: 8, 41N:7E
Landform (hillside, terrace, etc.): depression edge	Local relief (concave, convex, none): Concave
Slope (%): 1 Lat: 42.05063355	Long: -88.35185468 Datum: NAD 83
Soil Map Unit Name: 356A - Elpaso silty clay loam, 0 to 2 percent slope	
Are climatic / hydrologic conditions on the site typical for this time of ye	
	bed? Are "Normal Circumstances" present? Yes No _X_
Are Vegetation, Soil, or Hydrologynaturally problem	
	ampling point locations, transects, important features, etc.
Lludraphytic Vegetation Present? Veg No	In the Complet Area
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes X No	Is the Sampled Area within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	
Remarks:	
SP in cropland adjacent to uncropped parcel line with RCG. Does not fixed tiles. Antecedent precipitation conditions were drier than normal.	tand out from surrounding cropland. Aerial review suggests recent tiling or Cropping is not normal circumstances.
VEGETATION – Use scientific names of plants.	
	minant Indicator
· · · · · · · · · · · · · · · · · · ·	ecies? Status Dominance Test worksheet:
1	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3.	Total Number of Dominant Species
4	Across All Strata: (B)
	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 15ft)	(**-/
1	Prevalence Index worksheet:
2.	Total % Cover of: Multiply by:
3	OBL species x 1 =
4	FACW species x 2 =
5	FAC species x 3 =
	Al Cover FACU species x 4 =
Herb Stratum (Plot size: 5ft)	UPL species x 5 =
1	(A)(B)
2	Prevalence Index = B/A =
3	
4	
5	1 - Rapid Test for Hydrophytic Vegetation
6	0. D
7	4
8	
9	Problematic Hydrophytic Vegetation ¹ (Explain)
	al Cover Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30ft)	be present, unless disturbed or problematic.
1	——— Hydrophytic
2	Vegetation
	al Cover Present? Yes No No
Remarks: (Include photo numbers here or on a separate sheet.) Vegetatoin not evaluated or used as wetland criteria due to cropping.	

SOIL Sampling Point: SP 4

Depth (inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-8	10YR 5/1	100	Color (moist)		Туре	LUC			and and grav	(a)
							Loamy/Clayey			
8-20	10YR 3/1		4014 - 740	<u> </u>			Loamy/Clayey		ker - tilled at	
20-22	10YR 4/1	95	10Yr 5/6	5	<u>C</u>	M	Loamy/Clayey	SLC r	educed with	redox
		<u> </u>								
Type: C=Cor	ncentration, D=D	epletion, RM	=Reduced Matrix,	MS=Mas	ked San	d Grains.	² Location	PL=Pore Lin	ning, M=Matr	ix.
Hydric Soil In	ndicators:						Indicator	s for Problem	natic Hydric	Soils ³ :
Histosol (A	A1)		Sandy Gle	eyed Mat	rix (S4)		Coas	t Prairie Redo	x (A16)	
Histic Epip	pedon (A2)		Sandy Re	dox (S5)			Iron-N	Manganese Ma	asses (F12)	
Black Hist	, ,		Stripped N	Matrix (S	6)		Red I	Parent Materia	al (F21)	
Hydrogen	Sulfide (A4)		Dark Surf	ace (S7)			Very	Shallow Dark	Surface (F2:	2)
Stratified I	Layers (A5)		Loamy Mu	ucky Min	eral (F1)		Other	(Explain in R	emarks)	
2 cm Muc	k (A10)		Loamy GI	eyed Ma	trix (F2)					
Depleted I	Below Dark Surfa	ce (A11)	Depleted	Matrix (F	3)		_			
	k Surface (A12)		Redox Da		` '		³ Indicator	s of hydrophyt	tic vegetation	n and
	ıcky Mineral (S1)		Depleted		` ′)		nd hydrology r		
5 cm Muc	ky Peat or Peat (S3)	Redox De	pression	s (F8)		unles	s disturbed or	problematic	
Restrictive La	ayer (if observed	l):								
Type:										
							Hydric Soil Present	?	Yes	No
			<u> </u>				·			
Remarks: Tilled over wit	h lighter soil		_				,			
Remarks: Tilled over wit	h lighter soil	s:					,			
Remarks: Tilled over with TYDROLOG Wetland Hyde	ch lighter soil GY rology Indicator		ired; check all that	apply)				y Indicators (n	ninimum of t	wo require
Remarks: Tilled over with IYDROLOG Wetland Hydical	ch lighter soil GY rology Indicator		ired; check all that Water-Sta		aves (B9)		<u>Secondar</u>	y Indicators (n ce Soil Cracks		wo require
Remarks: Filled over with TYDROLOG Wetland Hydro Primary Indicat Surface W	GY rology Indicator			ined Lea			Secondar Surfa		s (B6)	wo require
Remarks: Tilled over with TYDROLOG Wetland Hydro Primary Indicat Surface W	GY rology Indicator ators (minimum o Vater (A1) er Table (A2)		Water-Sta	ained Lea auna (B1	3)		Secondar Surfa Drain	ce Soil Cracks	s (B6) (B10)	wo require
Remarks: Filled over with YDROLOG Wetland Hydio Primary Indicat Surface W High Wate	rology Indicator ators (minimum o Vater (A1) er Table (A2) n (A3)		Water-Sta	ained Lea auna (B1 atic Plant	3) ts (B14)		Secondar Surfa Drain Dry-S	ce Soil Cracks age Patterns (s (B6) (B10) Table (C2)	wo require
IYDROLOG Wetland Hydromy Indication Surface W High Wate Saturation Water Ma	rology Indicator ators (minimum o Vater (A1) er Table (A2) n (A3)		Water-Sta Aquatic F True Aqua	ained Lea auna (B1 atic Plant Sulfide (3) ts (B14) Odor (C1)	Secondar Surfa Drain Dry-S Crayf	ce Soil Cracks age Patterns (season Water	s (B6) (B10) Table (C2) C8)	
IYDROLOG Wetland Hydromy Indication Surface W High Wate Saturation Water Ma	rology Indicator ators (minimum of Vater (A1) er Table (A2) in (A3) urks (B1) Deposits (B2)		Water-Sta Aquatic F True Aqua Hydrogen	ained Lea auna (B1 atic Plant Sulfide (Rhizosph	3) is (B14) Odor (C1 neres on l) Living Ro	Secondar Surfa Drain Dry-S Crayf	ce Soil Cracks age Patterns (season Water ish Burrows (0	s (B6) (B10) Table (C2) C8) on Aerial Ima	gery (C9)
IYDROLOG Wetland Hydi Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat	rology Indicator ators (minimum of Vater (A1) er Table (A2) in (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4)		Water-Sta Aquatic F True Aqua Hydrogen Oxidized I Presence Recent Iro	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc	3) ss (B14) Odor (C1 neres on lead Iron oction in Ti) Living Ro (C4)	Secondar Surfa Drain Dry-S Crayf Satur Stunt S (C6)	ce Soil Cracks age Patterns (season Water ish Burrows (C ation Visible o ed or Stressed norphic Positio	s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1 on (D2)	gery (C9)
IYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo	rology Indicator ators (minimum of Vater (A1) er Table (A2) er (A3) erks (B1) Deposits (B2) esits (B3) or Crust (B4) esits (B5)	f one is requ	Water-Sta Aquatic F True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Mucl	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc c Surface	3) cs (B14) Odor (C1 neres on lead Iron etion in Tiele (C7)) Living Ro (C4)	Secondar Surfa Drain Dry-S Crayf Satur Stunt S (C6)	ce Soil Cracks age Patterns (leason Water ish Burrows (C ation Visible of	s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1 on (D2)	gery (C9)
IYDROLOG Wetland Hydromy Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatior	rology Indicator (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) usits (B5) n Visible on Aeria	f one is requ	Water-Sta Aquatic F True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Mucl 7) Gauge or	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc s Surface Well Dat	3) is (B14) Odor (C1 neres on lead Iron ection in Ties (C7) ita (D9)) Living Ro (C4) illed Soils	Secondar Surfa Drain Dry-S Crayf Satur Stunt S (C6)	ce Soil Cracks age Patterns (season Water ish Burrows (C ation Visible o ed or Stressed norphic Positio	s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1 on (D2)	gery (C9)
IYDROLOG Wetland Hydromary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatior	rology Indicator ators (minimum of Vater (A1) er Table (A2) er (A3) erks (B1) Deposits (B2) esits (B3) or Crust (B4) esits (B5)	f one is requ	Water-Sta Aquatic F True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Mucl 7) Gauge or	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc s Surface Well Dat	3) is (B14) Odor (C1 neres on lead Iron ection in Ties (C7) ita (D9)) Living Ro (C4) illed Soils	Secondar Surfa Drain Dry-S Crayf Satur Stunt S (C6)	ce Soil Cracks age Patterns (season Water ish Burrows (C ation Visible o ed or Stressed norphic Positio	s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1 on (D2)	gery (C9)
IYDROLOG Wetland Hydromary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatior Sparsely V	rology Indicator ators (minimum of Vater (A1) er Table (A2) er (A3) erks (B1) Deposits (B2) esits (B3) er Crust (B4) esits (B5) er Visible en Aeria Vegetated Concarations:	f one is requ I Imagery (B ve Surface (Water-Sta Aquatic F True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Mucl 7) Gauge or B8) Other (Ex	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat plain in F	is (B14) Odor (C1 heres on leced Iron obtion in Tie e (C7) ta (D9) Remarks)) Living Ro (C4) illed Soils	Secondar Surfa Drain Dry-S Crayf Satur Stunt S (C6)	ce Soil Cracks age Patterns (season Water ish Burrows (C ation Visible o ed or Stressed norphic Positio	s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1 on (D2)	gery (C9)
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IYDROLOG Wetland Hydromary Indica Surface W High Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatior Sparsely \ Field Observa Surface Water Table F Saturation Pres	rology Indicator ators (minimum of Vater (A1) er Table (A2) in (A3) er Ks (B1) Deposits (B2) er Crust (B4) er Ks (B5) in Visible on Aeria Vegetated Concalations: er Present?	f one is requi	Water-Sta Aquatic F True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Mucl 7) Gauge or B8) Other (Ex	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduo on Reduo c Surface Well Dat plain in F	ss (B14) Odor (C1 heres on leced Iron of the (C7) at (D9) Remarks) nches):) Living Ro (C4) illed Soils	Secondar Surfa Drain Dry-S Crayf Satur Stunt S (C6)	ce Soil Cracks age Patterns (season Water ish Burrows (C ation Visible o ed or Stressed norphic Positic Neutral Test (I	s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1 on (D2)	gery (C9)
Algal Mater Drift Deport Inundation Sparsely Verland Observing Saturation Prediction of the Control of the Cont	ch lighter soil GY rology Indicator ators (minimum of vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) n Visible on Aeria Vegetated Conca ations: or Present? Present? esent?	I Imagery (B ve Surface (I res res	Water-Sta Aquatic F True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Mucl 7) Gauge or B8) Other (Ex No X No X No X	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat plain in F Depth (i Depth (i	ss (B14) Odor (C1 heres on lead from the ced) Living Ro (C4) illed Soils	Secondar Surfa Drain Dry-S Crayf Sots (C3) Satur Stunt S (C6) FAC-	ce Soil Cracks age Patterns (season Water ish Burrows (C ation Visible o ed or Stressed norphic Positic Neutral Test (I	s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1 on (D2) D5)	gery (C9)
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Remarks: Tilled over with Wetland Hydre Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely W Field Observation Surface Water Water Table F Saturation President Saturation The Company of t	ch lighter soil GY rology Indicator ators (minimum of vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) n Visible on Aeria Vegetated Conca ations: or Present? Present? esent?	f one is required in the foliation of the second in the foliation of the foliation of the second in	Water-Sta Aquatic F True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Mucl 7) Gauge or B8) Other (Ex No X No X No X No X No X Onitoring well, aeria	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat plain in F Depth (i Depth (i	ss (B14) Odor (C1 heres on lead from the ced) Living Ro (C4) illed Soils	Secondar Surfa Drain Dry-S Crayf Sots (C3) Satur Stunt S (C6) FAC-	ce Soil Cracks age Patterns (season Water ish Burrows (C ation Visible o ed or Stressed norphic Positic Neutral Test (I	s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1 on (D2) D5)	gery (C9)

Project/Site: SV CSG Wilson School Solar, LLC		City/Cou	nty: Kane		Sa	ampling Date:	5/29/2	2025
Applicant/Owner: SV CSG Wilson School So	ar, LLC			State:	IL Sa	ampling Point:	SF	P 5-1
Investigator(s): J Knudsen		Section,	Township, Ra	nge: 8, 41N:7E				
Landform (hillside, terrace, etc.): Depression - to	eslope		Local relief (d	concave, convex,	none): cond	cave		
Slope (%):1 Lat: <u>42.04782321</u>		Long:	88.35376531		Datu	um: <u>NAD 83</u>		
Soil Map Unit Name: 152A - Drummer silty clay	oam, 0 to 2 percen	t slopes		NW_	'I classificati	on: None		
Are climatic / hydrologic conditions on the site type	oical for this time o	f year?	Yes	No X (If	no, explain	in Remarks.)		
Are Vegetation, Soil, or Hydrology_	significantly o	disturbed? A	Are "Normal (Circumstances" p	resent?	res X N	10	_
Are Vegetation, Soil, or Hydrology_	naturally prob	olematic? ((If needed, ex	plain any answei	s in Remark	rs.)		
SUMMARY OF FINDINGS – Attach sit	e map showin	ıg samplir	ng point lo	cations, tran	sects, im	portant fe	atures	, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea				
Hydric Soil Present? Yes X	No		n a Wetland		s X	No		
Wetland Hydrology Present? Yes X	No							
Remarks: SP in uncropped woodland/PEM area with weta	nd grasses and at	hasa of toos	loon Antoco	dont procipitation	a conditoins	word drier the	n norm:	al
or in uncropped woodiand/r Livi area with weta	iliu grasses aliu at	base of toes	leop. Afficee	dent precipitation	Conditoins	were uner the	III IIOIIIIa	л і.
VEGETATION – Use scientific names of	of plants.							
<u>Tree Stratum</u> (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator	Dominance T	ost worksh	oot:		
1. Acer negundo	20	Species? Yes	Status FAC	Number of Do				
Populus deltoides	10	Yes	FAC	Are OBL, FAC			5	(A)
3.				Total Number	of Dominan	t Species		•
4				Across All Stra	ata:	<u> </u>	5	(B)
5				Percent of Doi			00.00/	(A (D)
Sapling/Shrub Stratum (Plot size: 15f		=Total Cover		Are OBL, FAC	W, or FAC:		00.0%	_(A/B)
1. Salix interior	25	Yes	FACW	Prevalence In	dex works	heet:		
2.				Total % C		Multipl	y by:	
3.				OBL species	0	x 1 =	0	-
4				FACW species		x 2 =	190	-
5		Tatal Cause		FAC species	30	_ x 3 =	90	-
Herb Stratum (Plot size: 5ft)	25 =	=Total Cover		FACU species UPL species	0 0	_ x 4 = x 5 =	0	-
Equisetum praealtum	50	Yes	FACW	Column Totals			280	- (B)
Phalaris arundinacea	20	Yes	FACW		Index = B/I		:4	<u>-</u> ` ′
3.								
4.				Hydrophytic \	_			
5.					-	drophytic Vege	tation	
6.				X 2 - Domin				
7. 8.						nptations ¹ (Pro	vide sup	porting
9.					•	on a separate		
10				Problema	tic Hydrophy	tic Vegetation	า ¹ (Expla	ain)
	<u>70 </u>	=Total Cover		¹ Indicators of I				must
Woody Vine Stratum (Plot size: 30f	 '			be present, un	less disturb	ed or problem	atic.	
1 2.				Hydrophytic				
	— —— _:	=Total Cover		Vegetation Present?	Yes X	No		
Remarks: (Include photo numbers here or on a								
Wetland plants	esparato orioot.)							

SOIL Sampling Point: SP 5-1

Depth Matr (inches) Color (moist		Color (moist)	x Feature %	Type ¹	Loc ²	Texture	Remarks
0-15 10YR 2/2	100	Color (moist)	-70	туре	LUC		
· ·		10)/D 5/0				Loamy/Clayey	Dark gray
15-22 10YR 4/1	95	10YR 5/6	5	<u>C</u>	<u>M</u>	Loamy/Clayey	Reduced with redox
							
	:						
Type: C=Concentration, D=	Depletion, RM	=Reduced Matrix, N	MS=Masl	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:							for Problematic Hydric Soils ³ :
Histosol (A1)		Sandy Gle	•	rix (S4)			Prairie Redox (A16)
Histic Epipedon (A2)		Sandy Red	, ,				langanese Masses (F12)
Black Histic (A3)		Stripped N	,	5)			arent Material (F21)
Hydrogen Sulfide (A4)		Dark Surfa	` '				Shallow Dark Surface (F22)
Stratified Layers (A5)		Loamy Mu	-			Other	(Explain in Remarks)
2 cm Muck (A10)		Loamy Gle	-				
Depleted Below Dark Sur	, ,	Depleted I				3.	
X Thick Dark Surface (A12)		Redox Da					of hydrophytic vegetation and
Sandy Mucky Mineral (S1	,	Depleted [` '	1		d hydrology must be present,
5 cm Mucky Peat or Peat		Redox De	pressions	s (F8)	I	unless	disturbed or problematic.
Restrictive Layer (if observ	ed):						
Type:						Hydric Soil Present?	Yes X No
Remarks:							
IYDROLOGY							
Wetland Hydrology Indicate							
Wetland Hydrology Indicator				(50)		-	
Wetland Hydrology Indicator Primary Indicators (minimumSurface Water (A1)		Water-Sta	ined Lea			Surfac	ee Soil Cracks (B6)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2)		Water-Sta Aquatic Fa	ined Lea auna (B1	3)		Surface Draina	ee Soil Cracks (B6) age Patterns (B10)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3)		Water-Sta Aquatic Fa True Aqua	ined Lea auna (B1 atic Plant	3) s (B14)		Surface Draina Dry-Se	ee Soil Cracks (B6) age Patterns (B10) eason Water Table (C2)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)		Water-Sta Aquatic Fa True Aqua Hydrogen	iined Lea auna (B1 atic Plant Sulfide C	3) s (B14) Odor (C1)	Surface Draina Dry-Sc Crayfi	te Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)		Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	ined Lea auna (B1 atic Plant Sulfide C Rhizosph	3) s (B14) Odor (C1 eres on l) _iving Ro	Surface	te Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)		Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence	ined Lea auna (B1 atic Plants Sulfide C Rhizosph of Reduc	3) s (B14) Odor (C1 eres on lead Iron) _iving Ro (C4)	Surface	the Soil Cracks (B6) age Patterns (B10) the Bason Water Table (C2) the Burrows (C8) that on Aerial Imagery (C9) that or Stressed Plants (D1)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)		Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro	nined Lea auna (B1 atic Plants Sulfide C Rhizosph of Reduc	3) s (B14) Odor (C1 eres on led Iron (ction in Ti) _iving Ro (C4)	Surface	the Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	of one is requ	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	nined Lea auna (B1 atic Plants Sulfide C Rhizosph of Reduc on Reduc s Surface	3) s (B14) Odor (C1 eres on lead Iron et ion in Ti) _iving Ro (C4)	Surface	the Soil Cracks (B6) age Patterns (B10) the Bason Water Table (C2) the Burrows (C8) that on Aerial Imagery (C9) that or Stressed Plants (D1)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aer	of one is requ	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or	nined Lea auna (B1 Sulfide C Rhizosphor of Reduction Reduction Surface Well Date	3) s (B14) Odor (C1 eres on led Iron etion in Ti (C7) a (D9)) _iving Ro (C4)	Surface	the Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aer Sparsely Vegetated Cond	of one is requ	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or	nined Lea auna (B1 Sulfide C Rhizosphor of Reduction Reduction Surface Well Date	3) s (B14) Odor (C1 eres on led Iron etion in Ti (C7) a (D9)) _iving Ro (C4)	Surface	the Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aer Sparsely Vegetated Cond	of one is required in the state of the state	Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro Thin Muck T) Gauge or B8) Other (Exp	ined Lea auna (B1 atic Plant Sulfide C Rhizosph of Reduc on Reduc Surface Well Dat	3) s (B14) Odor (C1 eres on led Iron (tion in Ti (C7) a (D9)) _iving Ro (C4)	Surface	age Patterns (B10) Peason Water Table (C2)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aer Sparsely Vegetated Cond Field Observations: Surface Water Present?	rial Imagery (B'cave Surface (I	Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro Thin Muck T) Gauge or S B8) Other (Exp	ined Lea auna (B1 atic Plants Sulfide C Rhizosph of Reduct on Reduct Surface Well Data blain in R	3) s (B14) Odor (C1 eres on led Iron of tion in Ti (C7) a (D9) emarks)) _iving Ro (C4)	Surface	the Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aer Sparsely Vegetated Cond Field Observations: Surface Water Present?	rial Imagery (B'cave Surface (I	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 B8) Other (Exp	ined Lea auna (B1 auna (B1 Sulfide C Rhizosph of Reduc on Reduc s Surface Well Data blain in R Depth (ii Depth (ii	3) s (B14) Ddor (C1 eres on led Iron et (C7) a (D9) emarks) nches):nches):) Living Ro (C4) Illed Soils	Surface	pe Soil Cracks (B6) age Patterns (B10) peason Water Table (C2) psh Burrows (C8) ation Visible on Aerial Imagery (C9) and or Stressed Plants (D1) porphic Position (D2) Reutral Test (D5)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aer Sparsely Vegetated Cond Field Observations: Surface Water Present? Water Table Present? Saturation Present?	rial Imagery (B'cave Surface (I	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 B8) Other (Exp	ined Lea auna (B1 atic Plants Sulfide C Rhizosph of Reduct on Reduct Surface Well Data blain in R	3) s (B14) Ddor (C1 eres on led Iron et (C7) a (D9) emarks) nches):nches):) Living Ro (C4) Illed Soils	Surface	the Soil Cracks (B6) age Patterns (B10) the Burrows (C8) that on Visible on Aerial Imagery (C9) and or Stressed Plants (D1) torphic Position (D2) Selection (D5)
Wetland Hydrology Indicator Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aer Sparsely Vegetated Conc Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	rial Imagery (B' cave Surface (I Yes Yes Yes X	Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or B8) Other (Exp No X No X No X	ined Lea auna (B1 atic Plants Sulfide C Rhizosph of Reduc on Reduc Surface Well Dats blain in R Depth (in Depth (in	3) s (B14) Ddor (C1 eres on led Iron (tion in Ti (C7) a (D9) emarks) nches): _nches): _) Living Ro (C4) Illed Soils	Surface Draina Dry-Sc Crayfice Stunte Stunte S (C6) X Geom X FAC-N Wetland Hydrology	the Soil Cracks (B6) age Patterns (B10) the Burrows (C8) that on Visible on Aerial Imagery (C9) and or Stressed Plants (D1) torphic Position (D2) Seutral Test (D5)
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Project/Site: SV CSG		City/	/Count	ty: Kane				San	npling Date:	5/29/2	2025			
Applicant/Owner:	SV CSG Wilso	on School S	olar, LL0						State:	IL	Sam	npling Point:	SP	5/2
Investigator(s): J Knu	ıdsen				Section	on, To	wnship, Ra	ange:	8, 41N:7	Έ				
Landform (hillside, te	rrace, etc.): Sl	ope - forest	edge			Lo	ocal relief (d	concav	e, conve	x, none)	: None			
Slope (%): 3	Lat: 42.0479	1127			Lor	ng: <u>-8</u> 8	8.35366798	8			Datum	n: <u>NAD 83</u>		
Soil Map Unit Name:	656C2 - Octaç	on silt loam	, 4 to 6	percent slo	pes, erode	ed			N	WI class	sification	n: None		
Are climatic / hydrolo	gic conditions	on the site t	ypical fo	r this time o	of year?	Υ	'es	No	X	(If no, ex	kplain in	Remarks.)		
Are Vegetation X	, Soil, o	r Hydrology	s	ignificantly	disturbed1	? Ar	e "Normal C	Circum	stances"	present	:? Ye	s N	o_X_	
Are Vegetation	, Soil, o	r Hydrology	n	aturally pro	blematic?) (If	needed, ex	xplain a	any answ	ers in R	emarks	.)		
SUMMARY OF F	INDINGS -	Attach s	ite ma	p showi	ng sam	pling	g point lo	ocatio	ons, tra	nsect	s, imp	ortant fea	atures,	, etc.
Hydrophytic Vegeta	tion Present?	Yes	No		Is	s the S	Sampled A	\rea						
Hydric Soil Present?	X			a Wetland										
Wetland Hydrology	Present?	Yes	No	Χ										
Remarks:	-0			ada Aata						h				
SP on uncropped wo circumstances.	etiand edge adj	jacent to wo	odiana (eage. Ante	ceaent pre	ecipita	tion condito	oins we	ere arier t	nan non	mai. Cr	opping is not	normai	
VEGETATION -	Use scientif	ic names	of plar	nts.										
Tree Stratum	(Plot size:	30ft)	Absolute % Cover	Domina Species		Indicator Status	Do	minance	Tost we	orkshoo	at-		
1.	(1 101 3120.	3011	.'	70 OOVCI	Орсска	<u> </u>	Otatus		mber of D					
2.									OBL, FA					(A)
3.								Tota	al Numbe	er of Don	ninant S	Species		
								Acr	oss All S	trata:				(B)
5					Tatal Ca				cent of D			es That		(A /D)
Sapling/Shrub Strate	um (Plot	size: 15	5ft)		=Total Co	over		Are	OBL, FA	CVV, or	FAC:			(A/B)
1.	<u> </u>	0120.	<u> </u>					Pre	valence	Index w	orkshe	et:		
2.								l	Total %	Cover	of:	Multiply	y by:	
3.								ОВ	L species	S		x 1 =		
4								FAG	CW speci	es		x 2 =		
5									C species			x 3 =		
Hards Ottors to one	(DI-1'	- (1	`		=Total Co	over			CU specie			x 4 =		
Herb Stratum 1.	(Plot size:		.)						L species umn Tota			x 5 =		(B)
2					-				Prevalenc			` '		(D)
3.					•			'	rovalone	o maox	_ 5// (
4.					-			Hyd	drophytic	Vegeta	ation In	dicators:		
5.										_		phytic Veget	tation	
6.									2 - Domi	inance T	est is >	50%		
7.									3 - Preva	alence Ir	ndex is	≤3.0 ¹		
8								l				tations ¹ (Prov		porting
9.												n a separate		
10					Total Co			l -	_	-		c Vegetation		
Woody Vine Stratun	n (Plot	size: 30	Oft)		=Total Co	over				-		l wetland hyd d or problema	٠.	nust
1.											isturbec	or problema	alio.	
2.					-				drophytic getation	;				
					=Total Co	over			sent?	Yes	·	No	_	
Remarks: (Include					,			!						
Vegetatoin not evalu	lated or used a	ıs wetland c	riteria di	ue to cropp	ng.									

SOIL Sampling Point: SP 5/2

Depth	Matrix		Redo	x Featur								
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks			
0-10	10YR 3/2	100					Loamy/Clayey		Silty, dry			
10-15	10YR 5/4	100					Loamy/Clayey		Narm soils			
15-24	10Yr 5/6	100					Loamy/Clayey		Some clay			
		:										
1 _{Typo:} C_C	oncentration, D=Dep	olotion PM	- Paduaad Matrix N		rod Son	d Croins	² I coation	: PL=Pore Lini	na M-Motr	iv		
Hydric Soil I		Dietion, Kivi	=Reduced Matrix, r	vio=iviasi	keu San	u Grains		s for Problema				
Histosol			Sandy Gle	eved Mat	rix (S4)			t Prairie Redox	•	00113 .		
	ipedon (A2)		Sandy Re	-	(0 .)			Manganese Ma				
Black His			Stripped N		6)		Red Parent Material (F21)					
	n Sulfide (A4)		Dark Surfa	ace (S7)	,		Very Shallow Dark Surface (F22)					
Stratified	Layers (A5)		Loamy Mu	icky Mine	eral (F1)		Othe	r (Explain in Re	marks)			
2 cm Mu	ck (A10)		Loamy Gle	eyed Mat	rix (F2)							
Depleted	Below Dark Surfac	e (A11)	Depleted I	Matrix (F	3)							
Thick Da	rk Surface (A12)		Redox Da	rk Surfac	e (F6)		³ Indicators of hydrophytic vegetation and					
Sandy M	ucky Mineral (S1)		Depleted I	Dark Sur	face (F7))	wetla	nd hydrology m	ust be pres	ent,		
5 cm Mu	cky Peat or Peat (S	3)	Redox De	pression	s (F8)		unles	s disturbed or p	oroblematic	-		
Restrictive L	ayer (if observed)	:										
Type:												
Depth (in	ches):						Hydric Soil Present? Yes No					
Remarks:												
HYDROLO												
•	drology Indicators											
-	cators (minimum of	one is requ			/- - \			ry Indicators (m	/ - - \	wo require		
Surface Water (A1)			Water-Sta				Surface Soil Cracks (B6)					
High Water Table (A2) Saturation (A3)			Aquatic Fa					age Patterns (E				
	` '	True Aqua		, ,	`	Dry-Season Water Table (C2) Crayfish Burrows (C8)						
Water Marks (B1) Hydroge Sediment Deposits (B2) Oxidized								ration Visible or		gony (CQ)		
				•		Ū	· · —	ed or Stressed		• • • •		
	Drift Deposits (B3) Presence of Reduced Iron (C4)							norphic Position	, ,	,		
Algal Mat or Crust (B4)Recent Iron Reduction in Tilled So Iron Deposits (B5) Thin Muck Surface (C7)					ilica ooi	` ' —	Neutral Test (D					
	on Visible on Aerial	Imagery (B			. ,				•			
	Vegetated Concav	0 , (
Field Observ		•	·									
Surface Water		es	No X	Depth (ii	nches):							
Water Table		es	No X	Depth (ii	· -							
Saturation Pr								Wetland Hydrology Present? Yes No				
(includes cap			·		_				-			
Describe Red	corded Data (strean	n gauge, m	onitoring well, aeria	al photos	, previou	s inspec	ctions), if available:					
Remarks:	euggoete oroo is ::	oland										
Actial feview	suggests area is u	vialiu.										
	s of Engineers								west Region			