August 16, 2025

U.S. Army Corps of Engineers - Chicago District

To Whom It May Concern,

Area M Consulting (Area M), on behalf of SV CSG Sun Trust Solar, LLC, conducted a field wetland delineation within the proposed SV CSG Sun Trust Solar, LLC solar project (Project) located near Gilberts, IL in Kane County.

No wetlands were identified or mapped during the field delineation. Tyler Creek, a named tributary/ditch, intersects the southern boundary of the Study Area. 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 this 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 Sun Trust Solar, LLC

Kane County, Illinois



Prepared for:

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

Prepared by:

Area M Consulting, LLC Environmental Consultants 2023 Alameda Street Roseville, MN 55113 www.areamconsulting.com

August 2025





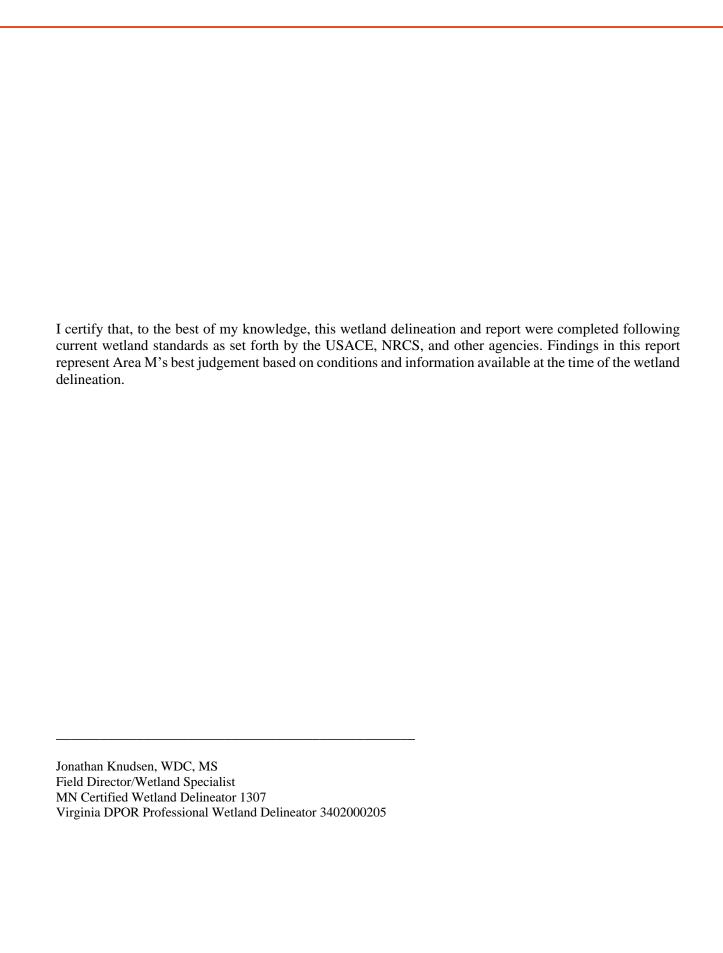




TABLE OF CONTENTS

	INTRODUCTION	1
	PROJECT DESCRIPTION	1
	OFF-SITE REVIEW	1
	FIELD DELINEATION	3
	RESULTS and RECOMMENDATIONS	4
	REFERENCES	6
T	ABLES	
	Table 1. Imagery dates and antecedent precipitation status.	3

APPENDICES

Appendix A. Maps

Appendix B: FEMA Firmette

Appendix C: Soils Report/Hydric Rating by Soils Unit and Hydric Soils List – All Components

Appendix D: Aerial Imagery Slides

Appendix E: Field Photographs

Appendix F: Wetland Data Sheets



INTRODUCTION

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

PROJECT DESCRIPTION

The Project, encompassing 43.5 acres, is located one mile southwest of Gilberts, IL in Sections 23 & 26, T42N:R7E (Study Area) (Map 1, Appendix A). The Study Area includes a flat, agricultural field bounded to the north by HWY 72. Shelter belts delineate the eastern and western boundaries. Tyler Creek, an incised, bermed ditch, runs west to east just south of the southern Study Area boundary. The entire Study Area is agricultural and is cropped annually. The riparian zone and flood plain associated with Tyler Creek intersect the southern portion of the Study Area. The surrounding landscape is a mosaic of cropland, riparian woodlands, wetlands, and residential/commercial development associated with nearby towns. 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. No features mapped within these datasets intersect 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 southern third of the Study Area is intersected by the floodway, 100-year floodplain, and 500-year floodplain associated with Tyler Creek (Appendix B).

Soils

The Web Soil Survey (NRCS, 2025) was reviewed to summarize mapped soil types which occur within the Study Area. Soil units 100% hydric ratings are mapped throughout the majority of 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 topography is relatively flat, and overall slopes to the southwest towards Tyler Creek (Appendix A). The total topographic relief of the Study Area is approximately 18 feet.

Historic Aerial Photography Review

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



Table 1. Imagery dates and antecedent precipitation status.

Imagawy Data	Wetland S	Antecedent	
Imagery Date	Area 1	Area 2	Precipitation Status ²
4/1993	No	Yes	Normal Conditions
3/1999	No	No	Normal Conditions
3/2002	No	No	Wetter than Normal
4/2005	Yes	Yes	Normal Conditions
6/2005	No	No	Drier than Normal
6/2006	No	No	Normal Conditions
6/2007	No	No	Normal Conditions
5/2008	No	No	Normal Conditions
6/2009	No	No	Normal Conditions
5/2010	Yes	Yes	Wetter than Normal
9/2011	No	No	Normal Conditions
4/2013	No	Yes	Wetter than Normal
4/2015	No	No	Normal Conditions
7/2017	No	No	Normal Conditions
7/2018	Yes	No	Wetter than Normal
10/2018	No	No	Wetter than Normal
10/2019	No	No	Wetter than Normal
6/2020	No	No	Wetter than Normal
5/2023	No	No	Normal Conditions
4/2024	Yes	Yes	Wetter than Normal
3/2025	No	No	Normal Conditions

¹Wetland Mapping Conventions (NRCS, 1998)

Off-site Summary

Overall, the off-site review suggests that wetlands are absent from the Study Area based on the slide review in conjunction with local topography, NWI, and soil data. Tyler Creek intersects the very southern boundary of the Study Area. The entire Study Area was investigated in greater detail during the field survey.

FIELD DELINEATION

Methodology

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

²Antecedent Precipitation Tool (EPA, 2025)



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 partly cloudy skies. The temperature was approximately 78 degrees Fahrenheit. The crop field had been planted with corn at the time of the survey. Antecedent precipitation conditions were drier than normal, but rain had fallen recently.

Field Review Summary

Based upon this routine Level 2 Wetland Delineation, it is the professional opinion of Area M, wetlands are absent from the Study Area and Tyler Creek intersects the southern boundary (Map 5; Appendix A).

Waterway 1 -Tyler Creek – 0.20 acres (within Study Area)

Tyler Creek encroaches into the southern portion of the Study Are. This waterway is a perennial tributary with incised banks and earthen berm along the north edge of the bank (to prevent flooding). The reach of creek which intersects the Study Area is channelized. No fringe wetlands were identified outside of the well-defined bank.

Area 1 - Upland

Area 1, a small, inconspicuous depression identified during the off-site review, is located with the cropped field in the north-central portion of the Study Area. However, this area showed wetland hydrology signatures in 1 of 11 slides with normal antecedent precipitation (4 of 21 overall). Therefore, this area was determined to be upland. During the field visit, the depression was difficult to identify in the field. At SP 1, in the center of the feature, soils were hydric but wetland hydrology was not observed. The plant community was not evaluated or used as wetland criteria due to cropping.

Area 2 - Upland

Area 2, the flat floodplain associated with Tyler Creek, includes the cropped field in the southern third of the Study Area. However, this area showed wetland hydrology signatures in 2 of 11 slides with normal antecedent precipitation (5 of 21 overall). Therefore, this area was determined to be upland. At SP 2, in the

SV CSG Sun Trust Solar, LLC Wetland Delineation Report August 2025



lower portion of the floodplain, soil was hydric but wetland hydrology was not observed. The plant community was not evaluated or used as wetland criteria due to cropping.

RESULTS AND RECOMMENDATIONS

Based upon this routine Level 2 Wetland Delineation, it is the professional opinion of Area M that the Study Area contains one feature that satisfies the criteria to be a wetland/waterway pursuant to the Army Corps of Engineers' 1987 Manual with subsequent clarification memoranda and pursuant to confirmation by the USACE (Appendix A). Waterway 1 (Tyler Creek) is likely jurisdictional under Section 404 of the Clean Water Act and subject to regulation by the USACE. Although floodplains are not typically regulated by the USACE, the IDNR or local government (Kane County) may require additional permitting or mitigation to build within the high-risk flood zones. 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.



REFERENCES

Federal Emergency Management Agency (FEMA). 2025. Flood Map Service, access at https://msc.fema.gov/portal/home

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

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

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

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

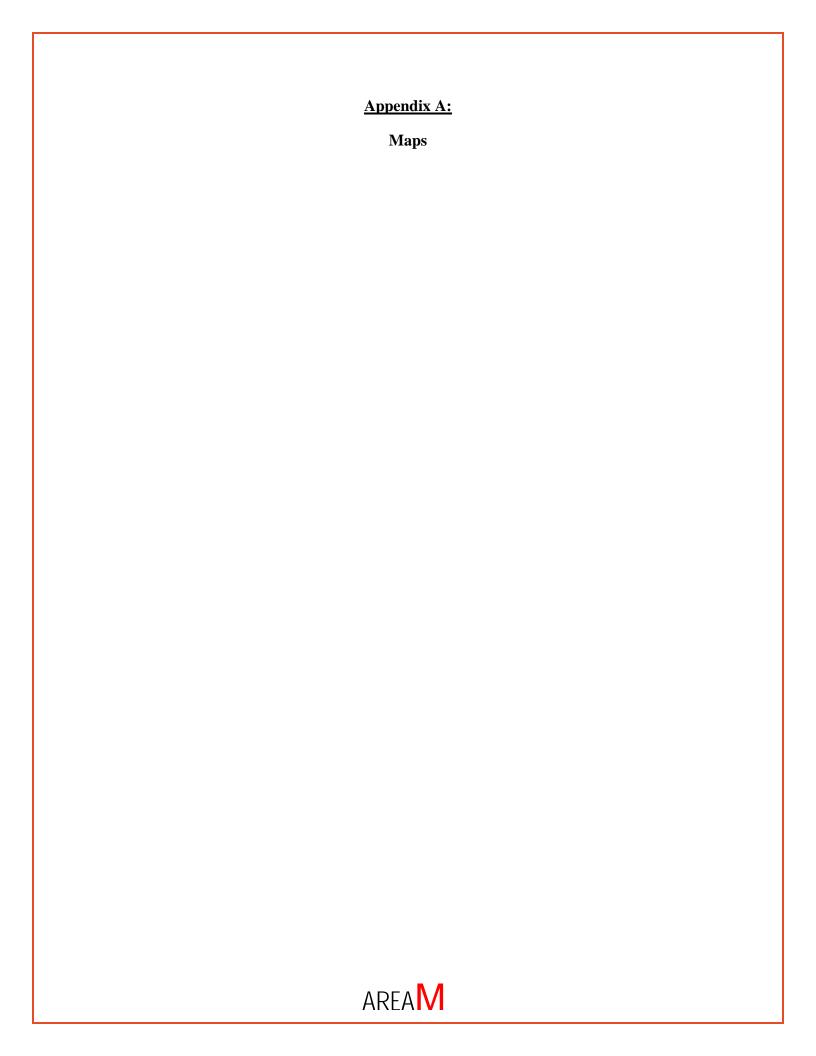
Natural Resources Conservation Service (NRCS). 2025. Web Soil Survey. (United States Department of Agriculture) *Accessed from* http://www.websoilsurvey.nrcs.usda.gov

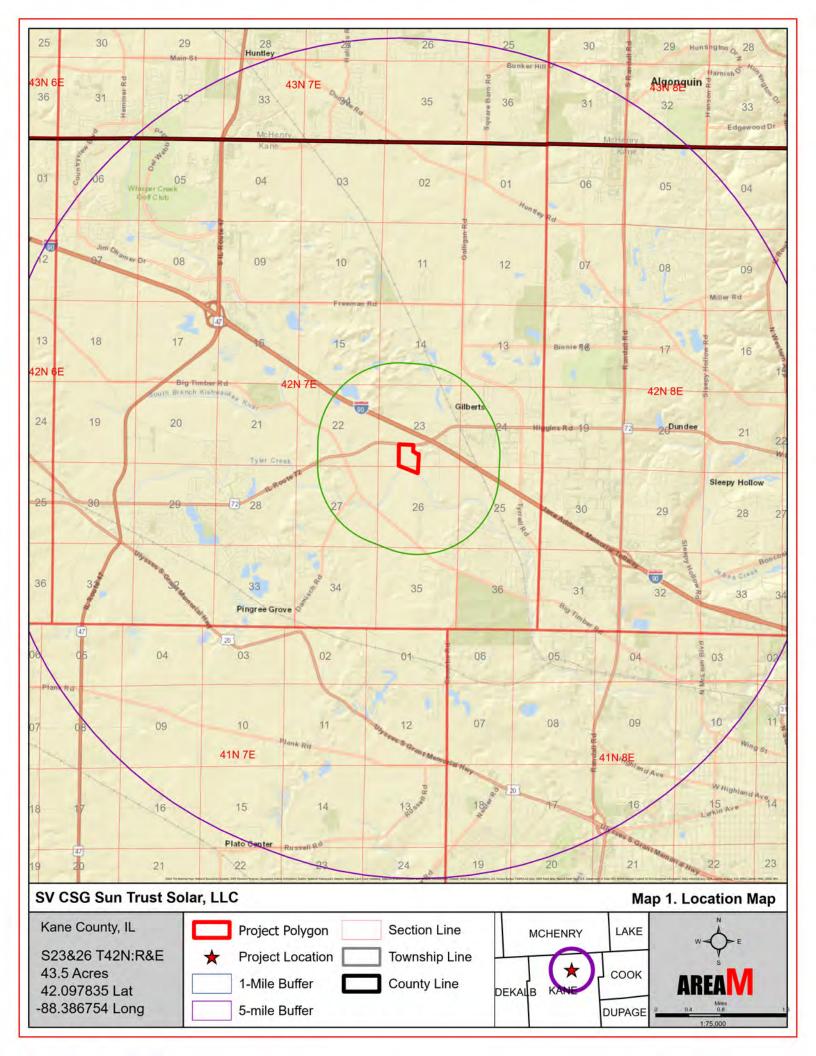
NRCS. 1998. Illinois wetland mapping conventions. Champaign, Illinois.

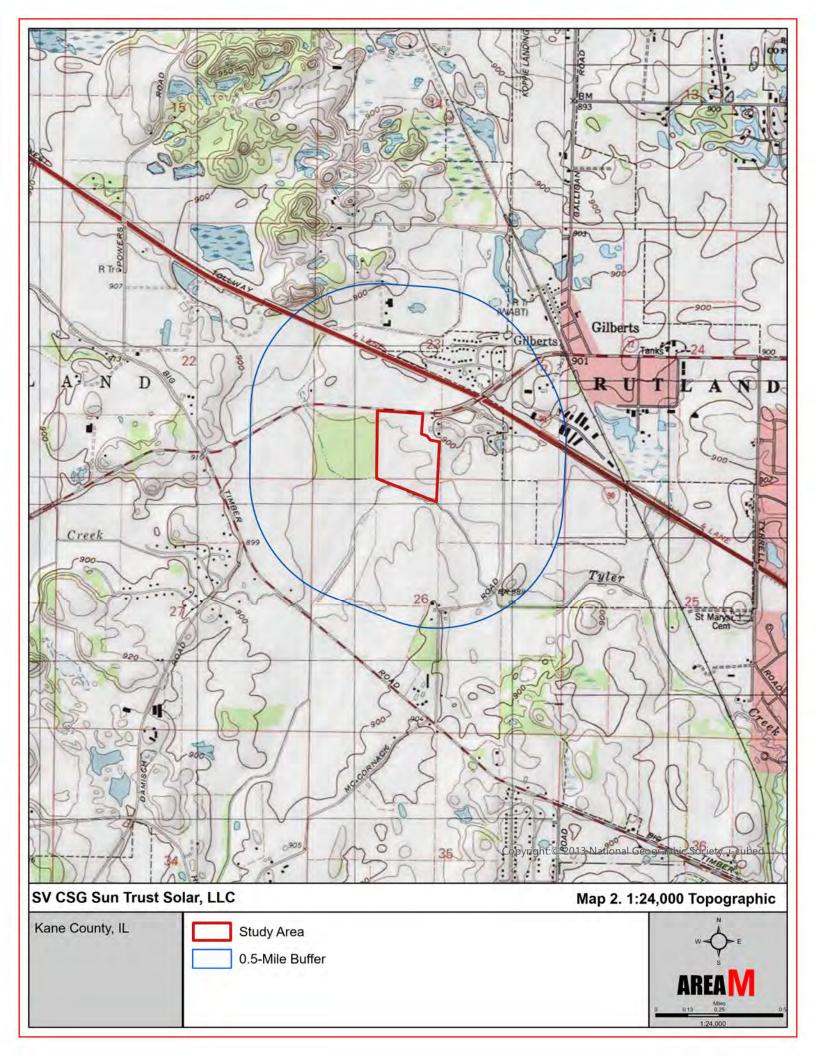
United States Geology Survey (USGS). 2025. National Hydrography Dataset. *Accessed and downloaded February 2018 from* https://nhd.usgs.gov/NHD_High_Resolution.html

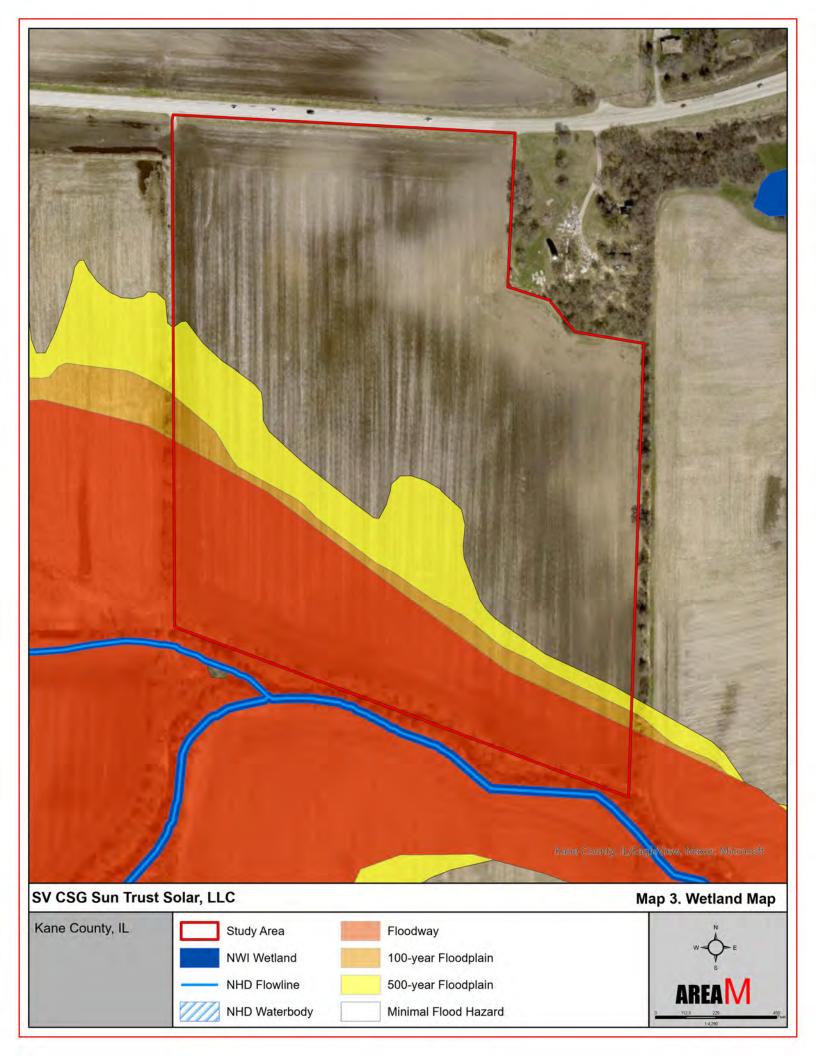
United States Fish and Wildlife Service (USFWS). 2025. National Wetland Inventory: Wetlands Online Mapper. *Accessed from* http://www.fws.gov/wetlands/data/mapper.HTML

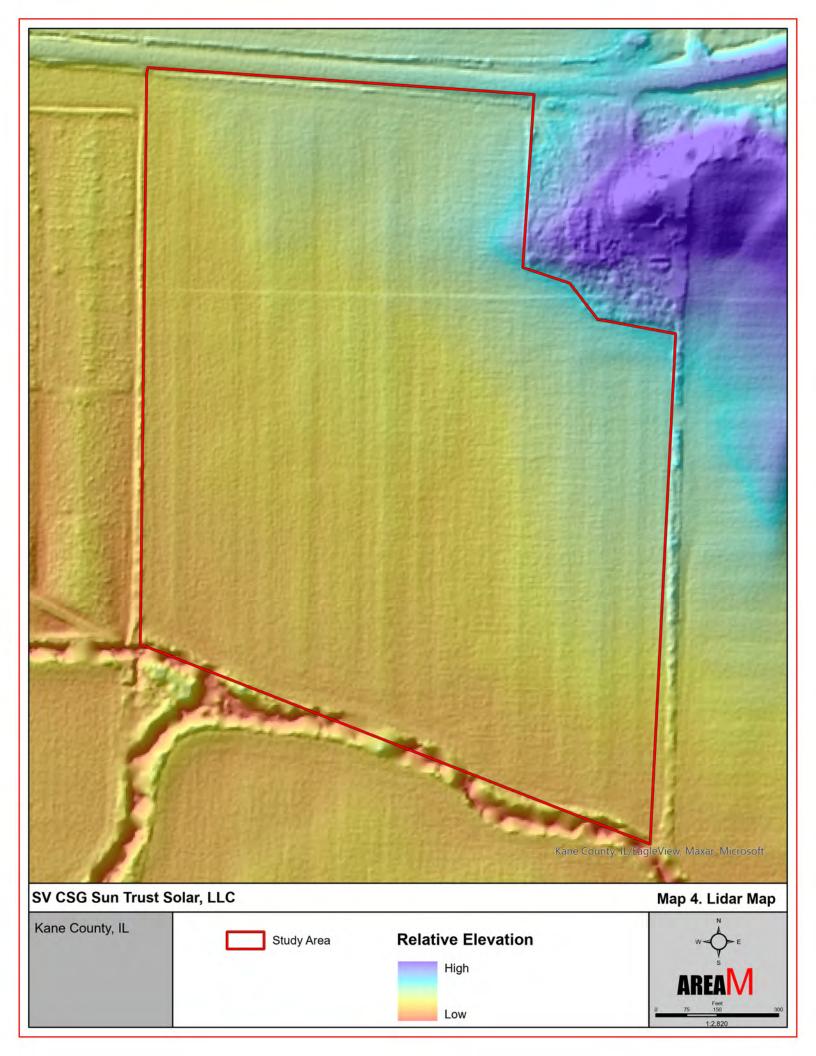
Sprecher, S.W. and Andrew G. Warne, A.G., 2000. Accessing and Using Meteorological Data to Evaluate Wetland Hydrology. WRAP Technical Notes Collection, ERDC/EL TR-WRAP-00-1. U.S. Army Engineer Research and Development Center, Vicksburg, MS.













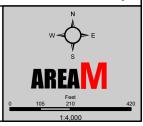
Study Area

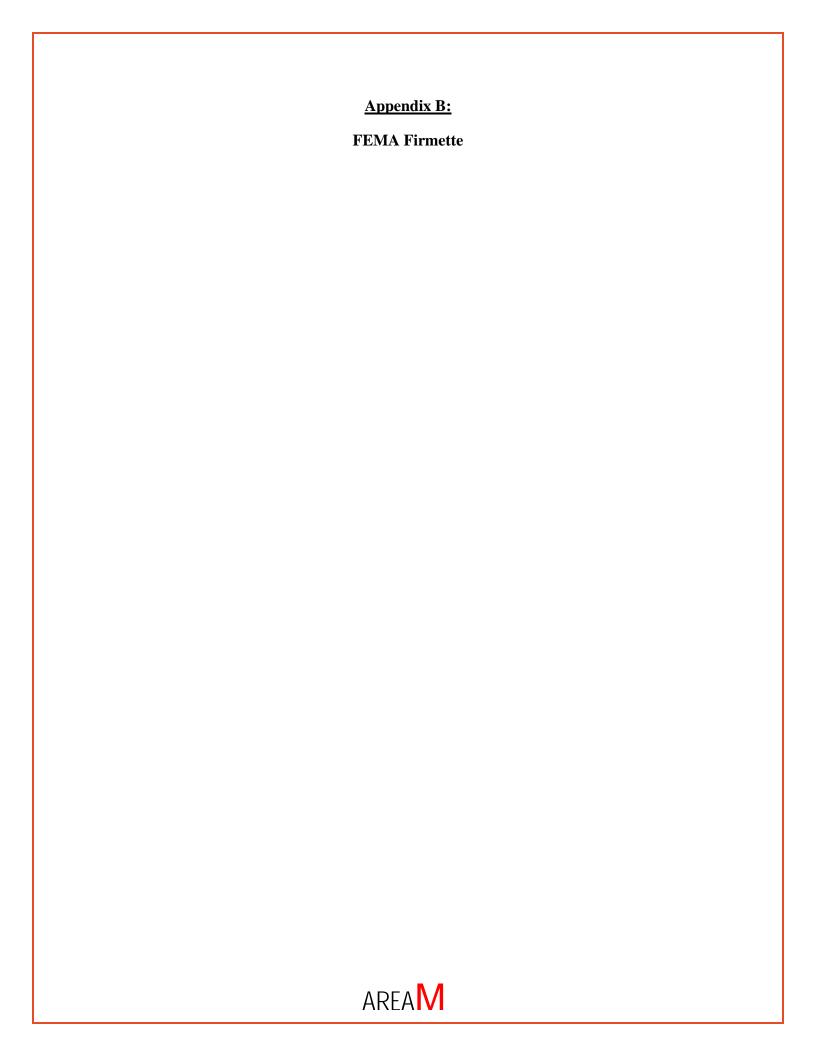
Waterway

Delineated Wetland

Wetland Samplling Point - Upland

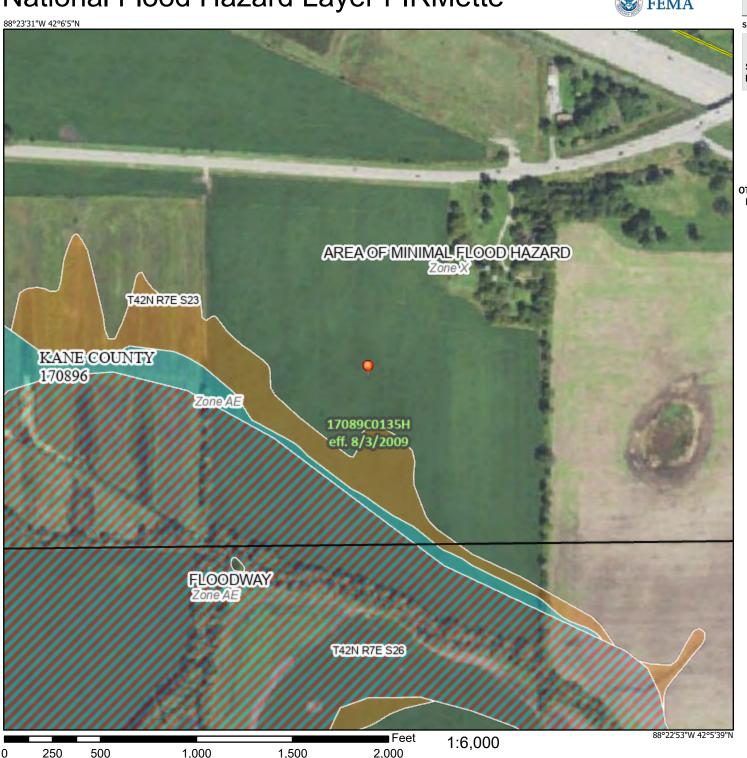
Wetland Sampling Point - Wetland





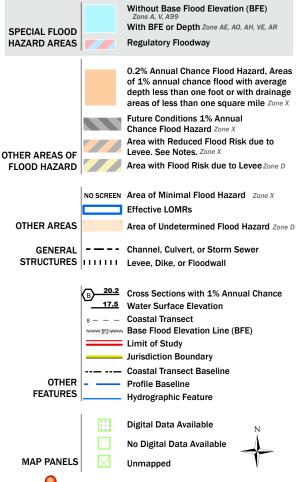
National Flood Hazard Layer FIRMette





Legend

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



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 pin displayed on the map is an approximate point selected by the user and does not represent

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/16/2025 at 2:01 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	37.5	86.3%		
327C2	Fox silt loam, 4 to 6 percent slopes, eroded	0	3.6	8.4%		
792A	Bowes silt loam, 0 to 2 percent slopes	6	2.3	5.4%		
Totals for Area of Inter	est	L	43.5	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.

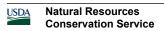
The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria 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:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.



Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in 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. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Hydric Soil List - All Components

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

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

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

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

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

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

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

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

- 1. All Histels except for Folistels, and Histosols except for Folists.
- 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:

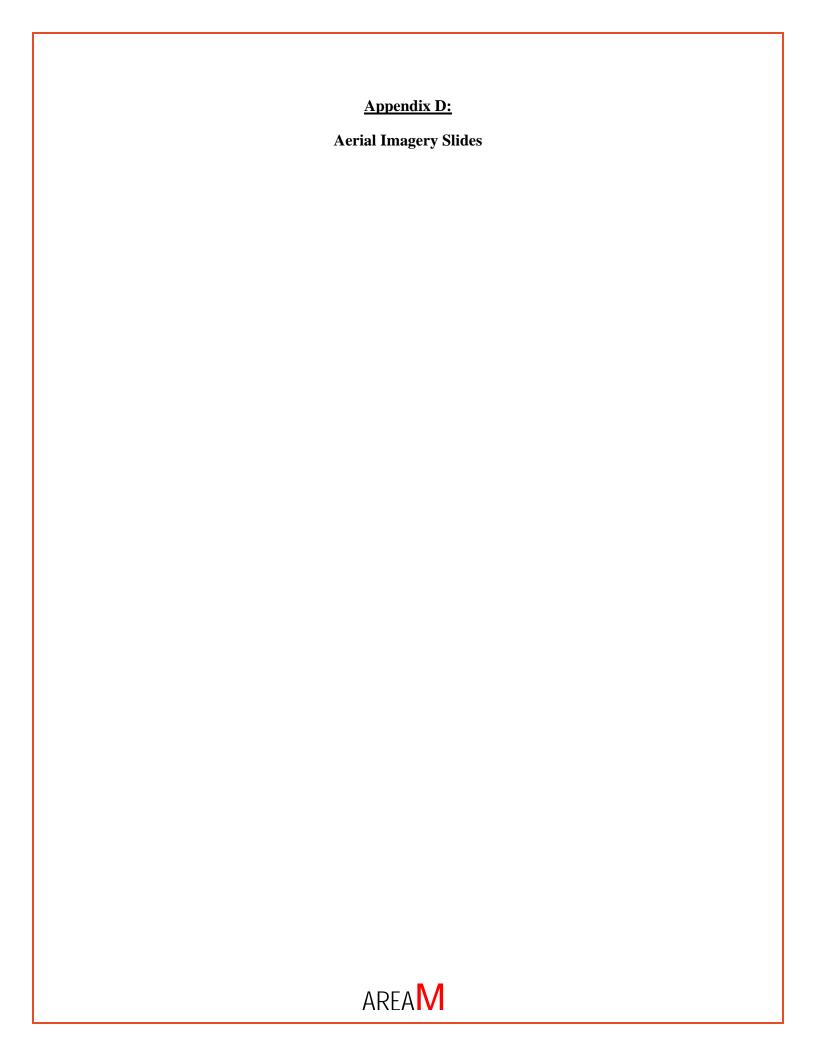
- Federal Register. July 13, 1994. Changes in hydric soils of the United States. Federal Register. Doc. 2012-4733 Filed 2-28-12. February, 28, 2012. Hydric soils of the United States.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 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.	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	
327C2: Fox silt loam, 4 to 6 percent slopes, eroded	Fox-Eroded	85-95	— error in exists on —	No	_	
	Casco	2-8	— error in exists on —	No	_	
	Kane	3-7	— error in exists on —	No	_	
792A: Bowes silt loam, 0 to 2 percent slopes	Bowes	90	Outwash plains,stream terraces	No	_	
	Dunham	3	Outwash plains,stream terraces	Yes	2	
	Drummer	3	Outwash plains,ground moraines	Yes	2	

Data Source Information

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





April 1993



March 1999





March 2002



April 2005





June 2005



June 2006



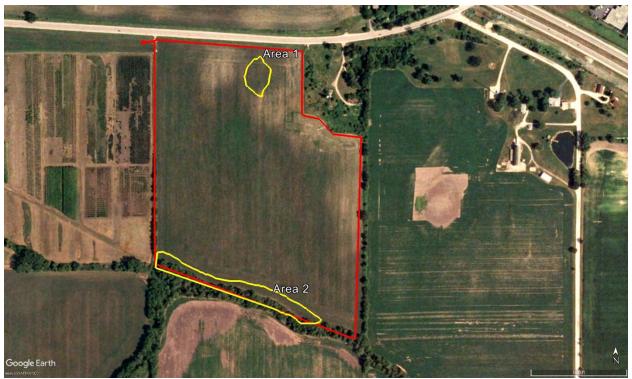


June 2007



May 2008





June 2009



May 2010





September 2011



April 2013





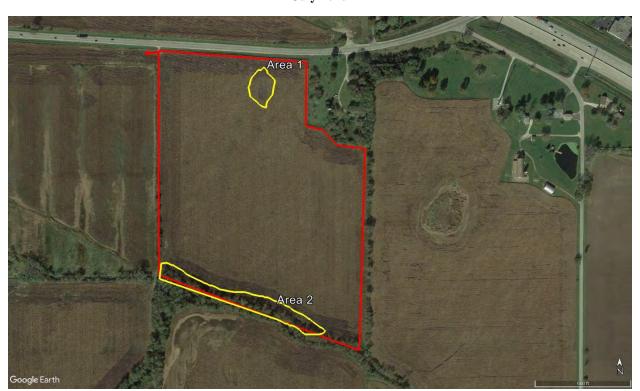
April 2015



July 2017



July 2018



October 2010





October 2019



June 2020





May 2023



April 2024



March 2025





General upland landscape on landfill, viewed to the southeast from the center of the Study Area



General upland Project landscape on landfill, viewed to the north from the eastern boundary of the Study Area



General Project landscape, viewed to the southwest from the northeastern corner of the Study Area



Area 1 (inconspicuous depression), viewed to the southeast from the northwest of the feature



Area 2, the floodplain, viewed to the east from the southern edge of the Study Area



Tyler Creek, a ditch, viewed to the south from beyond the southern extent of the Study Area



WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site: SV CSG Sun Trust Solar, LLC	City/County: Kane		Sampling Date: 5	/28/2025
Applicant/Owner: SV CSG Sun Trust Solar, ILC		State: IL	Sampling Point:	SP 1
Investigator(s): J Knudsen	Section, Township, Rar	nge: 23, 26 T42, R2E		
Landform (hillside, terrace, etc.): Subtle depression	Local relief (c	oncave, convex, none): N	lone	
Slope (%): 1 Lat: 42.0993167	Long: -88.38653373]	Datum: NAD 83	
Soil Map Unit Name: 152A - Drummer silty clay loam, 0 to 2 percent			cation: None	
Are climatic / hydrologic conditions on the site typical for this time of		No X (If no, expl		
Are Vegetation X , Soil , or Hydrology significantly di				Х
Are Vegetation , Soil , or Hydrology naturally prob		olain any answers in Ren		
SUMMARY OF FINDINGS – Attach site map showin		-		res, etc.
Hydrophytic Vegetation Present? Yes No	la the Sampled Ar	•		
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No X	Is the Sampled Arwithin a Wetland?		No X	
Wetland Hydrology Present? Yes No X				
Remarks:				
SP within depression identified during offsite review. Could not loca normal. Area was cropped and natural vegetation was mostly absen			ondiitions were drier t	han
VEGETATION – Use scientific names of plants.				
Absolute Tree Stratum (Plot size: 30ft) % Cover	Dominant Indicator Species? Status	Dominance Test world	ksheet:	
1.		Number of Dominant S Are OBL, FACW, or FA	Species That	(A)
3.		Total Number of Domi		(A)
4.		Across All Strata:		(B)
5		Percent of Dominant S	pecies That	
	Total Cover	Are OBL, FACW, or FA	AC:	(A/B)
Sapling/Shrub Stratum (Plot size: 15ft) 1.	-	Prevalence Index wo	rkshoot:	
2.	FACW	Total % Cover of:		<i>/</i> :
3.		OBL species	x 1 =	
4.		FACW species	x 2 =	
5.		FAC species	x 3 =	
=	Total Cover	FACU species	x 4 =	
Herb Stratum (Plot size: 5ft)		UPL species	x 5 =	
1		Column Totals:	`´	(B)
2		Prevalence Index =	B/A =	
3				
4		Hydrophytic Vegetati		
5			Hydrophytic Vegetati	on
6		2 - Dominance Tes		
7		3 - Prevalence Ind	ex is ≤3.0 Adaptations¹ (Provide	aupporting
8			s or on a separate sh	
10		Problematic Hydro	phytic Vegetation ¹ (E	Explain)
	Total Cover	¹ Indicators of hydric so		
Woody Vine Stratum (Plot size: 30ft)	-	be present, unless dist		
1		Hydrophytic		
	Total Cover	Vegetation Present? Yes_	No	
Remarks: (Include photo numbers here or on a separate sheet.)	Į	_		
Veg not used as wetland criteria due to cropping				

US Army Corps of Engineers

Midwest Region – Version 2.0

SOIL Sampling Point: SP 1

Depth	cription: (Describe Matrix		Redo	x Feature	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark	(S
0-18	10YR 3/1	100					Loamy/Clayey	Dark, blo	cky.
18-22	10YR 4/1	95	10YR 5/6	5	С	М	Loamy/Clayey	Depleted with	n redox
		·							
¹Type: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, N	—— ИS=Mask	ed Sand	d Grains.	. ² Location:	PL=Pore Lining, M=M	latrix.
Hydric Soil I	Indicators:						Indicators	for Problematic Hyd	lric Soils³:
Histosol	(A1)		Sandy Gle	yed Matr	ix (S4)		Coast	Prairie Redox (A16)	
Histic Ep	ipedon (A2)		Sandy Re	dox (S5)			Iron-M	anganese Masses (F	12)
Black His	stic (A3)		Stripped N	latrix (S6)		Red P	arent Material (F21)	
Hydroger	n Sulfide (A4)		Dark Surfa	ace (S7)			Very S	Shallow Dark Surface (F22)
Stratified	Layers (A5)		Loamy Mu	icky Mine	ral (F1)		Other :	(Explain in Remarks)	
2 cm Mu	ck (A10)		Loamy Gle	eyed Matı	rix (F2)		_		
Depleted	Below Dark Surface	e (A11)	Depleted I	Matrix (F3	3)				
X Thick Da	rk Surface (A12)		Redox Da	rk Surfac	e (F6)		³ Indicators	of hydrophytic vegeta	tion and
Sandy M	ucky Mineral (S1)		Depleted I	Dark Surf	ace (F7)		wetlan	d hydrology must be p	resent,
5 cm Mu	cky Peat or Peat (S	3)	Redox De	pressions	(F8)		unless	disturbed or problema	atic.
Restrictive L	Layer (if observed):								
Type:									
Depth (in	nches):						Hydric Soil Present?	Yes	<u>X</u> Nо
HYDROLO									
_	drology Indicators:						0 1		
	cators (minimum of o	one is requii			(DO)			Indicators (minimum	of two require
	Water (A1)		Water-Sta					e Soil Cracks (B6)	
	ter Table (A2)		Aquatic Fa	•	•			ige Patterns (B10)	۵۱
Saturatio			True Aqua Hydrogen					eason Water Table (Ca sh Burrows (C8)	<u> </u>
	arks (B1) it Deposits (B2)		Oxidized F					ation Visible on Aerial I	magany (CO)
	osits (B3)		Presence			_		ed or Stressed Plants (
	t or Crust (B4)		Recent Iro					orphic Position (D2)	D1)
	osits (B5)		Thin Muck			ilea Solis		leutral Test (D5)	
	on Visible on Aerial I	magery (R7						ecutar rest (Do)	
	Vegetated Concave	5 , (<i>,</i> —						
Oparoory		, canaco (E	<u> </u>		omantoj				
			No. V	Depth (in	nches).				
Field Observ		25							
Field Observ Surface Water	er Present? Ye		No X		rches).				
Field Observ Surface Water Water Table	er Present? Ye Present? Ye	es	No X	Depth (in			Wetland Hydrology	/ Present? Yes	No X
Field Observ Surface Water Water Table Saturation Pr	er Present? Ye Present? Ye resent? Ye	es					Wetland Hydrology	/ Present? Yes	NoX
Field Observ Surface Water Water Table Saturation Pr (includes cap	er Present? Ye Present? Ye resent? Ye	es es	No X No X	Depth (ir Depth (ir	nches):	s inspect		y Present? Yes	NoX
Field Observ Surface Water Water Table Saturation Po (includes cap Describe Rec	er Present? Ye Present? Ye resent? Ye resent? Ye pillary fringe)	es es	No X No X	Depth (ir Depth (ir	nches):	s inspect		y Present? Yes	No_>
Field Observ Surface Water Water Table Saturation Pro (includes cap Describe Red Remarks:	er Present? Ye Present? Ye resent? Ye pillary fringe) corded Data (stream	es	No X No X	Depth (ir Depth (ir	nches):	s inspect		y Present? Yes	NoX
Field Observation Surface Water Table Saturation Profincludes cap Describe Records Remarks:	er Present? Ye Present? Ye resent? Ye resent? Ye pillary fringe)	es	No X No X	Depth (ir Depth (ir	nches):	s inspect		y Present? Yes	No <u>></u>
Field Observ Surface Water Water Table Saturation Pro (includes cap Describe Reconstruction Properties Cap Remarks:	er Present? Ye Present? Ye resent? Ye pillary fringe) corded Data (stream	es	No X No X	Depth (ir Depth (ir	nches):	s inspect		y Present? Yes	No <u>X</u>

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site: SV CSG Sun Trust Solar, LLC	City/County:	Kane		Sampling Date:	5/28/2025
Applicant/Owner: SV CSG Sun Trust Solar, ILC		State	: <u> </u>	Sampling Point:	SP 2
Investigator(s): J Knudsen	Section, Towns	ship, Range: 23, 2	6 T42, R2E		
Landform (hillside, terrace, etc.): Floodplain	 Local	relief (concave, con	nvex, none): No	one	
Slope (%): 1 Lat: 42.09616268	Long: -88.38	8828763	Da	atum: NAD 83	
Soil Map Unit Name: 152A - Drummer silty clay loam, 0 to 2 percen	it slopes		NWI classifica	ation: FEMA 100-	year
Are climatic / hydrologic conditions on the site typical for this time o	f year? Yes	No X	(If no, explain	in in Remarks.)	
Are Vegetation X , Soil , or Hydrology significantly of	_	lormal Circumstanc			X
Are Vegetation, Soil, or Hydrologynaturally prob		eded, explain any ar			
SUMMARY OF FINDINGS – Attach site map showin		oint locations,	transects, i	mportant fea	tures, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sam	pled Area			
Hydric Soil Present? Yes No X	within a W	-	Yes	No_X_	
Wetland Hydrology Present? Yes No X					
Remarks: SP within 100-year floodplian adjancet to floodway. Antecedent prevegetation was mostly absent.Not normal circumstances.	ecipipation condiitio	ons were drier than	normal. Area w	vas cropped and	natural
VEGETATION – Use scientific names of plants.	Daminant Indi	anton I			
Absolute Tree Stratum (Plot size: 30ft) % Cover		cator atus Domina r	nce Test works	sheet:	
1			of Dominant Sp , FACW, or FAC		(A)
3. 4.		Total Nur	mber of Domina	ant Species	(B)
5.		Percent o	of Dominant Sp	ecies That	
	=Total Cover	Are OBL,	FACW, or FAC	C:	(A/B)
Sapling/Shrub Stratum (Plot size: 15ft)		Dravalan	ice Index work	rahaat.	
1	FA		Ice index work al % Cover of:		by:
3.		OBL spec		x 1 =	
4.		FACW sp		x 2 =	
5.		FAC spec	cies	x 3 =	
	=Total Cover	FACU sp	ecies	x 4 =	
Herb Stratum (Plot size: 5ft)		UPL spec	cies	x 5 =	
1			Γotals:		(B)
2		Preval	ence Index = E	3/A =	
3		Hydronh	ytic Vegetation	n Indicators:	
5.			_	ydrophytic Vegeta	ation
6			ominance Test		
7.			revalence Index	_	
8		4 - M	lorphological Ad	daptations ¹ (Provi or on a separate	
9		—— Prob	lematic Hydrop	hytic Vegetation ¹	(Explain)
	=Total Cover	¹ Indicator	rs of hydric soil	and wetland hydi rbed or problema	rology must
1.		Hydroph	vtic	•	
2	=Total Cover	Vegetation Present?	on	No	
Remarks: (Include photo numbers here or on a separate sheet.)		<u> </u>			_
Veg not used as wetland criteria due to cropping					

US Army Corps of Engineers

Midwest Region – Version 2.0

SOIL Sampling Point: SP 2

Profile Desc Depth	Matrix		Redo	x Feature	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	-	Remarks	
0-20	10YR 3/1	100					Loamy/Clayey		Dark, blocky.	
20-22	10YR 4/1	95	10YR 5/6	5	С	М	Loamy/Clayey	Dep	oleted with red	dox
								-		
	-									
		. —								
1= 0.0							21			
Hydric Soil	oncentration, D=Dep	letion, RN	l=Reduced Matrix, I	MS=Masi	ked San	d Grains.		: PL=Pore Lin		
Histosol			Sandy Gle	wed Mate	iv (S4)			t Prairie Redo	•	30115 .
	vipedon (A2)		Sandy Re	-	IX (O4)			Manganese M		
Black His			Stripped N		:)			Parent Materia		
	n Sulfide (A4)		Dark Surfa		')			Shallow Dark	` ,	١
	Layers (A5)		Loamy Mu	` '	ral (F1)			r (Explain in R	•	,
2 cm Mu			Loamy Gle	-				ι τενδιαπτιπ.Κ	omano,	
	Below Dark Surfac	_ (Δ11)	Depleted I	-						
	irk Surface (A12)	S (ATT)	Redox Da				³ Indicator	s of hydrophyt	tic vegetation	and
	lucky Mineral (S1)		Depleted I		` ,	١		ind hydrology i	_	
	cky Peat or Peat (S	3)	Redox De		` '	,		s disturbed or		J111,
	Layer (if observed):			p. 000.0			4		p. co.c.maner	
Type:	Layer (II observeu).									
Depth (in	nches):						Hydric Soil Present	17	Yes X	No
							,			
Remarks: Reduced soil	ls with redox						,			
	ls with redox									
Reduced soi										
Reduced soi										
HYDROLO Wetland Hyo Primary India	GY drology Indicators: cators (minimum of o						<u>Seconda</u>	ry Indicators (r		vo require
HYDROLO Wetland Hyo Primary India	GY drology Indicators:		uired; check all that Water-Sta		ves (B9)		<u>Seconda</u>			vo require
HYDROLO Wetland Hyd Primary India Surface	GY drology Indicators: cators (minimum of o			ined Lea			Seconda Surfa Drair	ry Indicators (r ace Soil Cracks age Patterns	s (B6) (B10)	vo require
HYDROLO Wetland Hyd Primary India Surface V High Wa Saturatio	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3)		Water-Sta Aquatic Fa True Aqua	ined Lea auna (B1: atic Plants	3) s (B14)		Seconda Surfa Drair Dry-S	ry Indicators (r ace Soil Crack age Patterns Season Water	s (B6) (B10) Table (C2)	vo require
HYDROLO Wetland Hyd Primary India Surface V High Wa Saturatio Water M	drology Indicators: cators (minimum of owner (A1) ter Table (A2) on (A3) arks (B1)		Water-Sta Aquatic Fa True Aqua Hydrogen	ined Lea auna (B1: atic Plants Sulfide C	3) s (B14) Odor (C1)	Seconda Surfa Drair Dry-5 Cray	ry Indicators (r ace Soil Cracks age Patterns Season Water fish Burrows ((s (B6) (B10) Table (C2) C8)	·
HYDROLO Wetland Hyd Primary India Surface High Wa Saturatio Water March	drology Indicators: cators (minimum of of Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2)		Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	ined Lea auna (B1: atic Plants Sulfide C Rhizosph	3) s (B14) Odor (C1 eres on) Living Ro	<u>Seconda</u> Surfa Drair Dry-3 Cray pots (C3) Satu	ry Indicators (r ace Soil Cracks age Patterns Season Water fish Burrows (0 ration Visible o	s (B6) (B10) Table (C2) C8) on Aerial Imag	·
HYDROLO Wetland Hyd Primary India Surface V High Wa Saturatio Water M: Sedimen Drift Dep	drology Indicators: cators (minimum of of Water (A1) ter Table (A2) on (A3) arks (B1) tt Deposits (B2) cosits (B3)		Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence	ined Lea auna (B1: atic Plants Sulfide C Rhizospho of Reduc	3) s (B14) Odor (C1 eres on ed Iron) Living Ro (C4)	Seconda Surfa Drair Dry-3 Cray pots (C3)Satu Stun	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Caration Visible Cated or Stresser	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1)	·
HYDROLO Wetland Hyd Primary India Surface V High Wa Saturatio Water M Sedimen Drift Dep Algal Ma	drology Indicators: cators (minimum of of water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) oosits (B3) t or Crust (B4)		Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro	ined Lea auna (B1: atic Plants Sulfide C Rhizospho of Reduc	3) s (B14) Odor (C1 eres on eed Iron tion in T) Living Ro (C4)	Seconda Surfa Drair Dry-S Cray Satu Stun Geor	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Caration Visible of the dor Stressed (comphic Position	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	·
HYDROLO Wetland Hyd Primary India Surface V High Wa Saturatio Water M Sedimen Drift Dep Algal Ma Iron Dep	drology Indicators: cators (minimum of of Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) oosits (B3) t or Crust (B4) osits (B5)	one is requ	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	ined Lea auna (B1: atic Plants Sulfide C Rhizospho of Reducton Reducton Surface	3) s (B14) Odor (C1 eres on leed Iron (C7)) Living Ro (C4)	Seconda Surfa Drair Dry-S Cray Satu Stun Geor	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Caration Visible Cated or Stresser	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	·
HYDROLO Wetland Hyd Primary Indio Surface High Wa Saturatio Water Mater	drology Indicators: cators (minimum of of of other Table (A2) on (A3) arks (B1) of Deposits (B2) oosits (B3) t or Crust (B4) oosits (B5) on Visible on Aerial I	one is requ magery (B	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 67) Gauge or	ined Lea auna (B1: Sulfide C Rhizospho of Reduc on Reduc Surface Well Data	3) s (B14) Odor (C1 eres on led Iron iton in Ti (C7) a (D9)) Living Ro (C4) illed Soils	Seconda Surfa Drair Dry-S Cray Satu Stun Geor	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Caration Visible of the dor Stressed (comphic Position	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	·
HYDROLO Wetland Hyd Primary India Surface V High Wa Saturatio Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely	drology Indicators: cators (minimum of of Water (A1) ter Table (A2) on (A3) arks (B1) ot Deposits (B2) oosits (B3) t or Crust (B4) oosits (B5) on Visible on Aerial I	one is requ magery (B	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Gauge or	ined Lea auna (B1: Sulfide C Rhizospho of Reduc on Reduc Surface Well Data	3) s (B14) Odor (C1 eres on led Iron iton in Ti (C7) a (D9)) Living Ro (C4) illed Soils	Seconda Surfa Drair Dry-S Cray Satu Stun Geor	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Caration Visible of the dor Stressed (comphic Position	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	·
HYDROLO Wetland Hyd Primary India Surface V High Wa Saturatio Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Observ	drology Indicators: cators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial I Vegetated Concave vations:	magery (B Surface (Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro Thin Muck Gauge or (B8) Other (Exp	ined Lea auna (B1: stic Plants Sulfide C Rhizosphi of Reduc on Reduc Surface Well Data blain in R	3) s (B14) Odor (C1 eres on eed Iron tion in T (C7) a (D9) emarks)) Living Ro (C4) illed Soils	Seconda Surfa Drair Dry-S Cray Satu Stun Geor	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Caration Visible of the dor Stressed (comphic Position	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	·
HYDROLO Wetland Hyd Primary India Surface V High Wa Saturatio Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Observ Surface Water	drology Indicators: cators (minimum of owner (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial I Vegetated Concave vations: er Present?	one is requ magery (B	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 37) Gauge or [B8) Other (Exp	ined Lea auna (B1: tic Plants Sulfide C Rhizospho of Reduc on Reduc Surface Well Data blain in R	3) s (B14) Odor (C1 eres on eed Iron tion in T (C7) a (D9) emarks)) Living Ro (C4) illed Soils	Seconda Surfa Drair Dry-S Cray Satu Stun Geor	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Caration Visible of the dor Stressed (comphic Position	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	·
HYDROLO Wetland Hyde Primary Indic Surface High Wa Saturatio Water Mater	drology Indicators: cators (minimum of of water (A1) ter Table (A2) on (A3) arks (B1) ot Deposits (B2) oosits (B3) t or Crust (B4) oosits (B5) on Visible on Aerial I Vegetated Concave vations: er Present? Ye Present?	magery (Beseseses	Water-Sta	ined Lea auna (B1: stic Plants Sulfide C Rhizospho of Reduc on Reduc Surface Well Data Dain in R	3) s (B14) c)dor (C1 eres on eed Iron tion in T (C7) a (D9) emarks) nches): _nches):) Living Ro (C4) illed Soils	Seconda Surfa Drair Dry-S Cray Doots (C3) Satu Stun S (C6) FAC	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Gration Visible of the dor Stressed from the Season Water (Season Water (Season Water (Season Water (Season	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5)	gery (C9)
HYDROLO Wetland Hyde Primary India Surface V High Wa Saturatio Water M: Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Observ Surface Wate Water Table Saturation Primary India Surface Wate Water Table Saturation Primary India Surface Water Table	drology Indicators: cators (minimum of of water (A1) ter Table (A2) on (A3) arks (B1) ot Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial I vegetated Concave vations: er Present? Present? Yeresent?	magery (Bes	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 37) Gauge or [B8) Other (Exp	ined Lea auna (B1: tic Plants Sulfide C Rhizospho of Reduc on Reduc Surface Well Data blain in R	3) s (B14) c)dor (C1 eres on eed Iron tion in T (C7) a (D9) emarks) nches): _nches):) Living Ro (C4) illed Soils	Seconda Surfa Drair Dry-S Cray Satu Stun Geor	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Gration Visible of the dor Stressed from the Season Water (Season Water (Season Water (Season Water (Season	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	gery (C9)
HYDROLO Wetland Hyde Primary India Surface V High Wa Saturatio Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser Surface Wate Water Table Saturation Policy (includes cap	drology Indicators: cators (minimum of of Water (A1) ter Table (A2) on (A3) arks (B1) ot Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial I Vegetated Concave vations: er Present? Present? Yesent? Yesent? Yesent?	magery (Bes	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	ined Lea auna (B1: atic Plants Sulfide C Rhizosph of Reduc on Reduc Surface Well Data blain in R Depth (in Depth (in	3) s (B14) Odor (C1 eres on ted Iron tion in Ti (C7) a (D9) emarks) nches): _ nches): _) Living Rc (C4) illed Soils	Seconda Surfa Drair Dry-S Cray Satu Stun S (C6) FAC	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Gration Visible of the dor Stressed from the Season Water (Season Water (Season Water (Season Water (Season	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5)	·
HYDROLO Wetland Hyde Primary India Surface V High Wa Saturatio Water M. Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Observ Surface Wate Water Table Saturation Perion Concludes cap	drology Indicators: cators (minimum of of water (A1) ter Table (A2) on (A3) arks (B1) ot Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial I vegetated Concave vations: er Present? Present? Yeresent?	magery (Bes	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	ined Lea auna (B1: atic Plants Sulfide C Rhizosph of Reduc on Reduc Surface Well Data blain in R Depth (in Depth (in	3) s (B14) Odor (C1 eres on ted Iron tion in Ti (C7) a (D9) emarks) nches): _ nches): _) Living Rc (C4) illed Soils	Seconda Surfa Drair Dry-S Cray Satu Stun S (C6) FAC	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Gration Visible of the dor Stressed from the Season Water (Season Water (Season Water (Season Water (Season	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5)	gery (C9)
HYDROLO Wetland Hyde Primary India Surface V High Wa Saturatio Water M. Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Observ Surface Wate Water Table Saturation Perion Concludes cap	drology Indicators: cators (minimum of of Water (A1) ter Table (A2) on (A3) arks (B1) ot Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial I Vegetated Concave vations: er Present? Present? Yesent? Yesent? Yesent?	magery (Bes	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	ined Lea auna (B1: atic Plants Sulfide C Rhizosph of Reduc on Reduc Surface Well Data blain in R Depth (in Depth (in	3) s (B14) Odor (C1 eres on ted Iron tion in Ti (C7) a (D9) emarks) nches): _ nches): _) Living Rc (C4) illed Soils	Seconda Surfa Drair Dry-S Cray Satu Stun S (C6) FAC	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Gration Visible of the dor Stressed from the Season Water (Season Water (Season Water (Season Water (Season	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5)	gery (C9)
HYDROLO Wetland Hyde Surface V High Wa Saturation Water Manage Manager Algal Manager Iron Dep Inundation Sparsely Field Observ Surface Water Table Saturation Poly (includes cap Describe Recommended) Remarks:	drology Indicators: cators (minimum of of Water (A1) ter Table (A2) on (A3) arks (B1) ot Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial I Vegetated Concave vations: er Present? Present? Yesent? Yesent? Yesent?	magery (Beseseseseg	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	ined Lea auna (B1: atic Plants Sulfide C Rhizosph of Reduc on Reduc Surface Well Data blain in R Depth (in Depth (in	3) s (B14) Odor (C1 eres on ted Iron tion in Ti (C7) a (D9) emarks) nches): _ nches): _) Living Rc (C4) illed Soils	Seconda Surfa Drair Dry-S Cray Satu Stun S (C6) FAC	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Gration Visible of the dor Stressed from the Season Water (Season Water (Season Water (Season Water (Season	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5)	gery (C9)
HYDROLO Wetland Hyde Surface V High Wa Saturation Water Manage Manager Algal Manager Iron Dep Inundation Sparsely Field Observ Surface Water Water Table Saturation Poly (includes cap Describe Recommended)	drology Indicators: cators (minimum of owner (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial I Vegetated Concave vations: er Present? Present? Ye resent? Ye poillary fringe) corded Data (stream	magery (Beseseseseg	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	ined Lea auna (B1: atic Plants Sulfide C Rhizosph of Reduc on Reduc Surface Well Data blain in R Depth (in Depth (in	3) s (B14) Odor (C1 eres on ted Iron tion in Ti (C7) a (D9) emarks) nches): _ nches): _) Living Rc (C4) illed Soils	Seconda Surfa Drair Dry-S Cray Satu Stun S (C6) FAC	ry Indicators (race Soil Cracks) age Patterns (Season Water fish Burrows (Gration Visible of the dor Stressed from the Season Water (Season Water (Season Water (Season Water (Season	s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5)	gery (C9)