

WETLAND AND STREAM ASSESSMENT REPORT

Tri-County Solar

TWP: 40N RNG: 8E SEC: 1 South Elgin, Kane County, Illinois LaBella Project No. 2233821

Prepared For: Greenwood Sustainable Infrastructure, LLC

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Date: August 2025



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1.0 INTRODUCTION

1.1 PROJECT DESCRIPTION

Greenwood Sustainable Infrastructure, LLC (Client) retained LaBella Associates, D.P.C. (LaBella) to perform a wetland and stream assessment for the Tri-County Solar Project (Site). For the purposes of this wetland and stream assessment, the Study Area is defined as an approximate 39.5-acre area in South Elgin, Kane County, Illinois. The Study Area is located within Public Land Survey System (PLSS) Township: 40N, Range: 8E, Section: 1. Please refer to Appendix A, Figure 1 for the Study Area location and boundary. The geographic coordinates of the approximate Study Area center are: 41.982479, -88.271608(NAD83). Wetland and stream assessment field work was completed on August 7, 2025.

1.2 PURPOSE

This report was prepared for the purpose of obtaining concurrence from the United States Army Corps of Engineers (USACE)–Chicago Regulatory District and the Illinois Department of Natural Resources (IDNR) on jurisdictional wetland and stream boundaries within the Study Area, in support of the Project. Specific tasks performed for this report include a field delineation of potentially jurisdictional Waters of the United States (WOTUS) encompassing wetlands and streams within the Study Area, a survey of jurisdictional water boundaries, and a detailed description of the delineated waters based on hydrology, vegetation, and soils information collected in the field.

This report describes the results of the delineation and data collection efforts performed by LaBella, and a description of the wetlands and waterways that were delineated. This document is intended to provide the information required to support a Jurisdictional Determination (JD) with the USACE-Chicago Regulatory Districts and IDNR to support permitting needs (e.g. Joint Permit Application), if regulatory permit authorizations are required.

2.0 METHODOLOGY

2.1 RESOURCES

Materials and literature supporting this investigation are derived from a number of sources, including: United States Geological Survey (USGS) 7.5-minute Topographic Quadrangles; United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Kane County, Illinois Soil Survey (USDA-NRCS, 2024); USDA-NRCS Soil Map Unit shapefiles; USDA-NRCS Field Indicators of Hydric Soils in the United States (USDA-NRCS, 2018); Munsell Soil Color Charts (Kollmorgen Corporation, 1988); Federal Emergency Management Agency (FEMA) digital Flood Hazard data; United States Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) shapefiles. Vascular plant names follow nomenclature found in the USDA PLANTS database (USDA, 2019). Wetland indicator status for vegetative species was determined by reference to the National Wetland Plant List (Lichvar et al., 2020). Jurisdictional features are characterized according to the NWI mapped wetlands and deepwater habitat classification system (Cowardin, 1979).



2.2 JURISDICTIONAL AREA DELINEATION

LaBella field staff performed the wetland and stream assessment within the Study Area on August 7, 2025, in accordance with the methods presented in the 1987 Corps of Engineers Wetland Delineation Manual (Environmental Laboratory, 1987), as supplemented by the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region, Version 2.0 (USACE, 2012). Because the Study Area is located within a capped landfill designated as a Federal Superfund site, no soil samples were taken during the wetland assessment fieldwork. The landowner required the exclusion of soil sampling required to characterize wetland areas based on indicators of hydric soils because of the risk of disturbing the landfill cap and to eliminate health risks caused by exposure to contaminated soils on-site. Consequently, soils across the Study Area were assumed to be "problematic" and therefore, wetland areas were identified and delineated based on indicators of hydrophytic vegetation and wetland hydrology.

Wetland and waterway boundaries were defined in the field using a USACE-approved sub-meter Global Positioning System unit. Because of current site restrictions, the use of flagging to mark wetland/waterway boundaries on-site was not permitted. Data and observations were collected throughout the Study Area, from both the wetland and its associated upland area, referred to as data points. Data points help determine and locate the wetland boundaries with field data verification of the upland areas. Similarly, datapoints to characterize upland habitats within the Study Area were also collected. These data points were recorded on the USACE (Midwest) Wetland Determination Data Forms (Appendix B).

During the field reconnaissance, the Study Area was also observed for streams that would potentially be considered jurisdictional by state and/or federal regulatory agencies. Field indicators such as the presence of an ordinary high-water mark (OHWM) as well as observed characteristics such as flow, substrate composition, presence/absence of defined bed and banks, origin of hydrologic source, presence/absence of vegetation in the stream channel, and composition and relative abundance of resident benthic macroinvertebrates to classify onsite streams.

Representative photographs were taken of the data point locations, delineated wetlands and watercourses within the Study Area (Appendix C).

The USACE and IDNR have jurisdiction of Waters of the Unite States (WOTUS) under section 404 of the Clean Water Act (CWA) (40 Code of Federal Regulations [CFR] 230) (CFR, 2010). The USACE also has jurisdiction over traditionally navigable WOUS under Section 10 of the Rivers and Harbors Act (33 CFR 323; Section 10 Rivers and Harbors Act [33 United States Code] 403). Given the recent US Supreme Court Sackett decision, the USACE-Chicago Districts does not have jurisdiction over isolated wetlands or ephemeral stream channels without a relatively permanent surface water connection to other waters of the United States.



3.0 PHYSICAL CHARACTERISTICS AND RESOURCES

3.1 PHYSIOGRAPHY

The Project is located in the Central Feed Grains and Livestock Region Land Resource Region (LRR M) and Northern Illinois and Indiana Heavy Till Plain Major Land Resource Area (MLRA 110). The Study Area topography consists of a capped landfill with elevations rising from the Study Area boundary to a relatively flat plateau encompassing most of the Study Area. From the central landfill area, elevations slope downward in all directions toward manmade waterways/swales/ditches that drain the upgradient capped landfill. Given the Study Area was used as an historic landfill remediated and capped through the Federal Superfund program, natural topography and soils have been significantly altered across the Study Area. Additionally, a series of ditches/waterways/swales have been constructed and maintained to process stormwater drainage within the Site. These waterways are primarily lined with rip-rap, and a series of check dams constructed of rip-rap have been installed to slow water velocity within the waterways. The entire Study Area is composed of early successional habitat, with a mix of both invasive and native grasses and forbs. According to the landowner, the entire site is mowed each fall. At the time of the site visit, mowing had yet to be completed in 2025, and vegetation was standing throughout.

3.2 SOILS

The Soil Survey of Kane County, Illinois and NRCS Web Soil Survey indicates there are two (2) soil map units within the Study Area, as outlined in Table 1.

Hydric Map Unit Hydric **NRCS Soil Map Unit Drainage Class** Rating Acres Symbol Soil? (%) Dresden silt loam, 2 to 4 percent slopes Well drained 4 325B Yes 0.1 802B Well drained 3 Orthents, loamy, 1 to 6 percent slopes Yes 39.4

Table 1. Soil Map units within the Study Area

Source: USDA, NRCS, Soil Survey Staff, 2024

The Hydric Soil ratings outlined in Table 1 and the Web Soil Survey map provided in Appendix A, Figure 3, indicate there are two (2) soil map units containing hydric components. Orthents, loamy soil comprises nearly all the Study Area, however, the natural soil profile of the Study Area has been significantly altered given the area has been managed as a capped landfill for the past 30 years. Historic use of the area as landfill, and subsequent capping of the landfill area with imported clay material has presumably altered the natural soil profile of the entire site. All mapped soils within the Study Area containing hydric components are classified as hydric soils according to the USDA-NRCS Kane County Hydric Soils List.

3.3 HYDROLOGY

The Study Area is located in the Brewster Creek (USGS Hydrologic Unit Code (HUC 12) (071200070101) watershed. The primary source of surface hydrology is precipitation. The Study



Area drains primarily from north to south, where surface waters are carried through a series of constructed waterways surrounding the outer edges of the Site. All surface waters eventually flow to the southwest corner of the Site, ultimately flowing into a constructed stormwater retention pond located within 20 meters south of the southwest corner of the Study Area boundary.

Prior to the site visit, the 7-day antecedent precipitation was 0.0 inches and the 48—hour antecedent precipitation was 0.0 inches (COCORAHS 2025). According to the 90-day USACE Antecedent Precipitation Model, the wetland assessment was conducted under "Normal" conditions. (Appendix 1, Figure 6 Antecedent Precipitation Model).

4.0 AGENCY RESOURCES

4.1 USFWS NATIONAL WETLAND INVENTORY (NWI)

USFWS NWI mapping indicates there is one (1) NWI-mapped excavated pond within the east-central area of the Study Area, as outlined in Table 2. No Illinois Department of Natural Resources public waters are located within or adjacent to the Study Area (Appendix A, Figure 2 Mapped Wetland and Stream Resources).

Table 2. USFWS-NWI Mapped Wetlands/Streams within the Study Area

NWI Wetland Code	Vetland Code Classification Code description				
PUBFx	Palustrine, semi permanently flooded, excavated pond.	N/A			

According to the NWI database, an excavated pond is located within the east-central portion of the Study Area. Based on review of historic aerial imagery and field confirmation, this feature no longer exists. It is presumed the excavated pond was filled during reclamation of the site as part of the Superfund program.

4.2 FEMA 100-YEAR FLOOD ZONES

There are no FEMA 100-year Flood Zones within or adjacent to the Study Area. The nearest FEMA 100-year Flood Zone is located within 0.25 miles south of the Study Area associated with a tributary of Brewsters Creek (refer to Appendix A, Figure 4 FEMA Flood Zones).

5.0 RESULTS

LaBella field staff delineated one (1) man-made ditch (Ditch 1) and four (4) PEM wetlands within the Study Area (See Appendix A, Figure 5. Wetland and Stream Assessment Summary Map). Tables 3 and 4 provide areas and classifications of the delineated wetlands and waterways.

The remainder of the Study Area is classified as upland habitat, consisting entirely of periodically mowed upland grasses and forbs. Dominant upland species included Asclepias syriaca, Melilotus officinalis, Dipsacus fullonum, Bromus inermis, and Vicia sativa.



Table 3. Delineated Wetlands

Wetland ID	Cowardin Classification	Acreage On-site	Latitude, Longitude (NAD83)
Wetland A	PEM	0.647	41.981494, -88.268960
Wetland B	PEM	0.282	41.981575, -88.273845
Wetland C	PEM	0.009	41.984425, -88.274177
Wetland D	PEM	0.070	41.984132, -88.271061

Table 4. Delineated Watercourses

Watercourse ID	Flow Regime/Stream Order	Watercourse Length/Width in Study Area (If)	Latitude, Longitude (NAD83)
Ditch 1	Constructed Stormwater Ditch	213/3	41.981026, -88.273592

5.1 WETLANDS

5.1.1 Wetland A

Wetland A is an approximately 0.647-acre palustrine, emergent wetland (PEM) that lies within a constructed waterway along the eastern and southern boundary of the Study Area. Wetland A begins along the northeast corner of the Study Area where it first drains south, then drains westward, where it flows into Ditch 1 along the southwestern border of the Study Area. The wetland area lies entirely with a constructed waterway that drains the surrounding capped landfill area. Over time, this constructed waterway has developed characteristics of a wetland. The wetland area is dominated by hydrophytic grass and forb species, including *Lythrum salicaria*, *Phragmites australis*, and *Typha latifolia*, as well as patches of black willow (*Salix nigra*) saplings in areas too wet to mow. At the time of the site visit, surface water was observed at several locations, drift and sediment deposits were identified throughout, and saturation is evident on aerial imagery. The wetland area receives water from the surrounding elevated landscape as well as through upgradient constructed swales that include Wetland D.

5.1.2 Wetland B

Wetland B is an approximately 0.282-acre PEM wetland located along the western boundary of the Study Area. Wetland B lies entirely within a man-made waterway constructed to process stormwater drainage from the surrounding landfill cap. The wetland flows from north to south and drains into Ditch 1 at a culvert inflow. The development of wetland indicators is the result of a bedded road and undersized culvert on the southern, downgradient end of the wetland. Following rainfall events,



water flowing from north to south through the constructed drainageway is impeded by the undersize culvert and bedded road, resulting in siltation and prolonged saturation in the area upgradient, thereby resulting in the development of wetland characteristics. At the time of the site visit, surface water at a depth of 2-4 inches was observed at several locations, crayfish burrows were present, and saturation is visible on aerial imagery across multiple years. The wetland area was dominated by hydrophytic vegetation including *Persicaria spp.*, *Phalaris arundinacea*, and *Echinochloa crus-galli*.

5.1.3 Wetland C

Wetland C is an approximately 0.009-acre, PEM wetland located in the northwest corner of the Study Area. The wetland lies entirely within a constructed waterway designed to process stormwater from the surrounding capped landfill. Wetland C receives water from a culvert outflow along the northwest boundary, where water collects and is confined within a concave basin. Wetland C flows from north to south, but at a lower elevation than the downgradient, constructed waterway, resulting in prolonged inundation periods that have created wetland characteristics. Waters within Wetland C flow south through the constructed drainageway swale and eventually into Wetland B. The constructed waterway separating Wetland C and Wetland B has no indicators of a wetland, nor a watercourse, given the swale is lined entirely with rip-rap, upland vegetation is growing throughout the swale area, and no defined bed/bank was observed. Wetland hydrology indicators for Wetland C included saturation visible on aerial imagery, geomorphic position, and drift deposits. The wetland area was dominated by hydrophytic vegetation, primarily *Phalaris arundinacea*.

5.1.4 Wetland D

Wetland D is an approximately 0.070-acre, PEM wetland located entirely within a constructed waterway in the northeast section of the Study Area. Wetland D receives water and begins at a culvert outflow and flows south where it ends at a check dam installed within the waterway swale. The check dam consists entirely of rip-rap, bedded at a height of 3-4 feet and running perpendicular to the swale. The check dam was installed to slow water flow velocity within the constructed swale. Consequently, the check dam has impeded upgradient water flow and caused siltation with the wetland boundary, resulting in the development of wetland characteristics. Wetland hydrology indicators included areas with sparse/no vegetation, geomorphic position, and saturation evident on aerial imagery. The wetland area was dominated by hydrophytic vegetation, namely *Phalaris arundinacea* and small patches of cattails (*Typha latifolia*).

5.2 WATERCOURSES

5.2.1 Ditch 1

A man-made ditch was identified along the western boundary of the Study Area (Ditch 1 in Figure 5.) This feature had no water at the time of the site visit, and the bed/bank was comprised primarily of upland, herbaceous vegetation. Ditch 1 demonstrated a weak bed/bank formation, with a channel approximately 3 feet wide and 1 foot deep, no sinuosity, and poor geomorphic properties indicative of a watercourse with relatively permanent water flow. The bed substrate consisted entirely of upland vegetation growing in a mix of silt and large rip-rap installed at the time the waterway was constructed. The ditch begins at a culvert outflow, where surface waters flow from north to south ending at the Study Area boundary and continuing off-site. Ditch 1 receives water from both Wetland B and Wetland



C located within the same constructed waterway upgradient. Wetland A also drains into Ditch 1 at the southwestern corner of the Study Area. At the Study Area boundary, Ditch 1 continues off-site where it flows into a constructed stormwater pond within 20 meters south of the Study Area boundary.

6.0 CONCLUSIONS

6.1 SUMMARY

LaBella delineated one (1) constructed ditch and (4) four, palustrine, emergent (PEM) wetlands within the Study Area. Wetland criteria were met based on the presence of hydrophytic vegetation and wetland hydrology. Indicators of hydric soil were not confirmed given the site is comprised entirely of a reclaimed, capped landfill and soils were considered "significantly disturbed" and "naturally problematic."

All jurisdictional boundaries are subject to verification by the USACE- Chicago District and/or the IDNR, under their respective jurisdictions.

6.2 REGULATORY AND PERMITTING CONCLUSIONS

Wetlands C and D may be non-jurisdictional based on the recent US Supreme Court, Sackett decision, given these aquatic features are hydrologically isolated, and do not exhibit a relatively permanent surface water connection to a defined Water of the United States (WOTUS). Wetlands A, B, and Ditch 1 are all hydrologically connected to a stormwater retention pond south of the Study Area. Based on review of aerial photography, it appears that the stormwater pond overflow drains south into a series of wetland complexes, and eventually into a tributary of Brewster Creek. The distance between the Study Area boundary and the tributary of Brewster's Creek is less than 300 meters. Consequently, Wetlands A, B, and Ditch 1 may be considered jurisdictional waters of the US given this proximate and relatively continual connection. Confirmation of the jurisdictional status of wetlands and waterways on-site would need to be completed through an Approved Jurisdictional Determination (AJD) with the USACE. If project plans propose to impact any of the waters identified, LaBella recommends submitting an Approved Jurisdictional Determination (AJD) request to the U.S. Army Corps of Engineers (USACE) to confirm the jurisdictional status and boundary of any identified wetlands and watercourses. An AJD is typically issued by the USACE within 6-8 months following request submission and site visit, depending on USACE workload and personnel availability. If the project timeline requires expediency, a Preliminary Jurisdictional Determination (PJD) may be submitted that assumes all waterways and wetlands delineated are jurisdictional, however, any proposed impacts would require permitting with the USACE and/or IDNR.

Project-related filling or disturbances within the delineated boundaries of any wetlands determined to be a Water of the United States and/or Water of the State may require federal CWA Section 404 authorization through the USACE and a CWA Section 401 Water Quality Certification from the IDNR. These authorizations may be obtained through the Joint Permit Application process.



7.0 SIGNATURE OF WETLAND PROFESSIONALS

We appreciate the opportunity to serve your professional environmental needs. If you have any questions, please do not hesitate to contact Charles Plush at 404-353-8854.

Report Prepared By:

Charlie Plush, CWB®

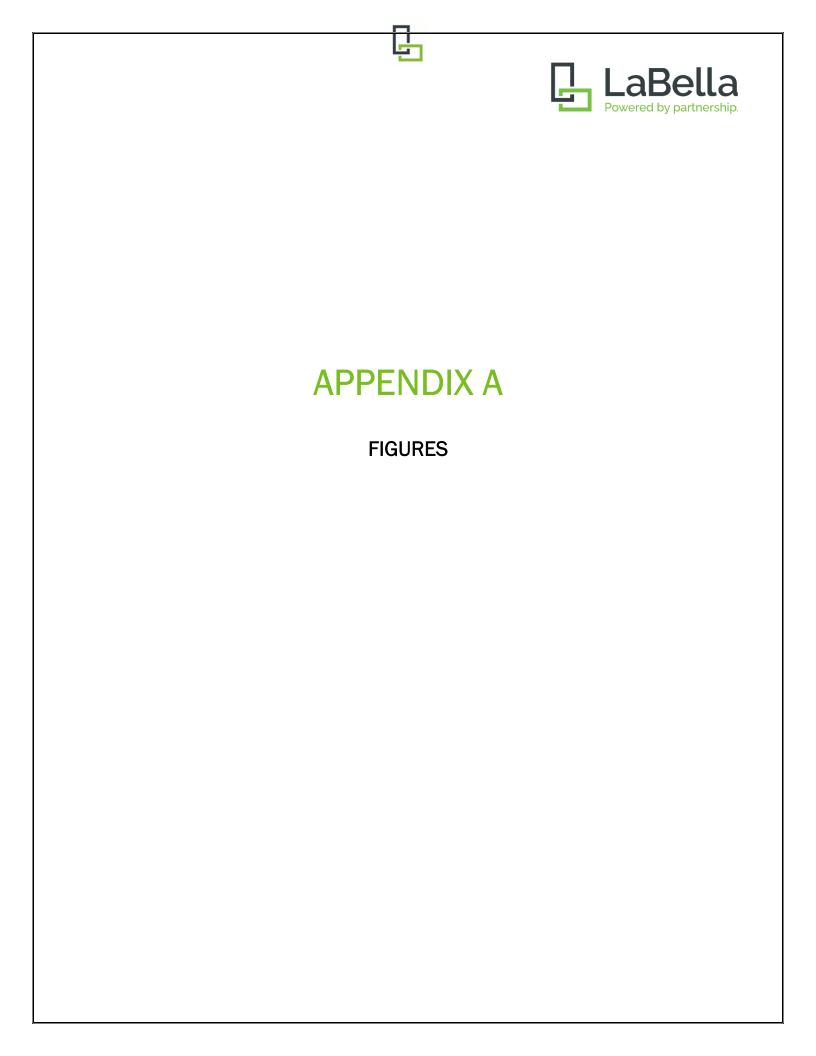
Environmental Manager

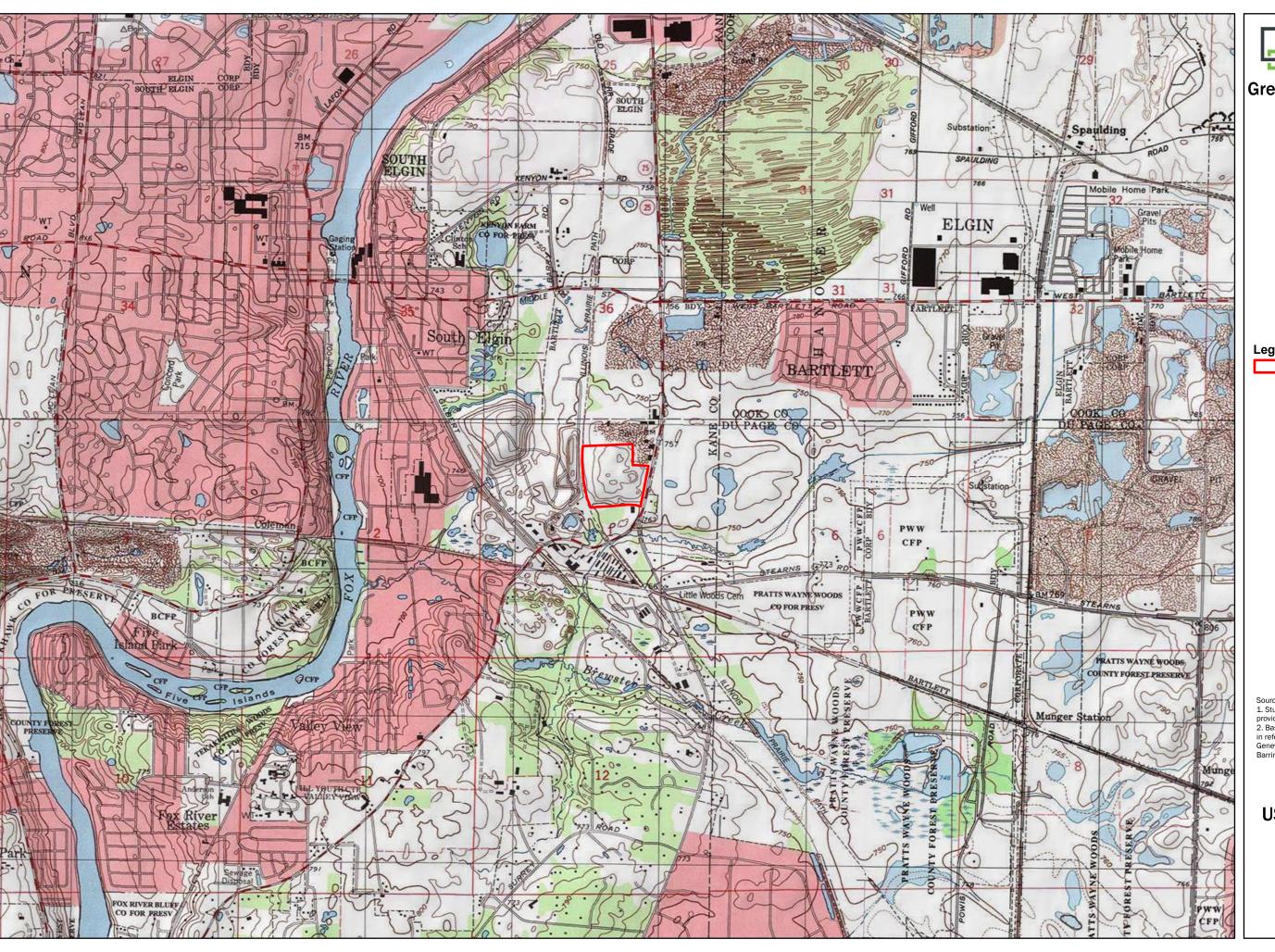
Charles of Phush



8.0 REFERENCES

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- USDA-NRCS. 2018. Field Indicators of Hydric Soils in the United States, Version 8.2. L. M. Vasilas, G. W. Hurt, and J. F. Berkowitz (eds.). USDA, NRCS in cooperation with the National Technical Committee for Hydric Soils.



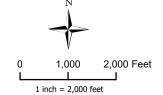




Greenwood Sustainable Infrastructure

Wetland and Stream Assessment Report

Tricounty Solar South Elgin, Illinois



Legend

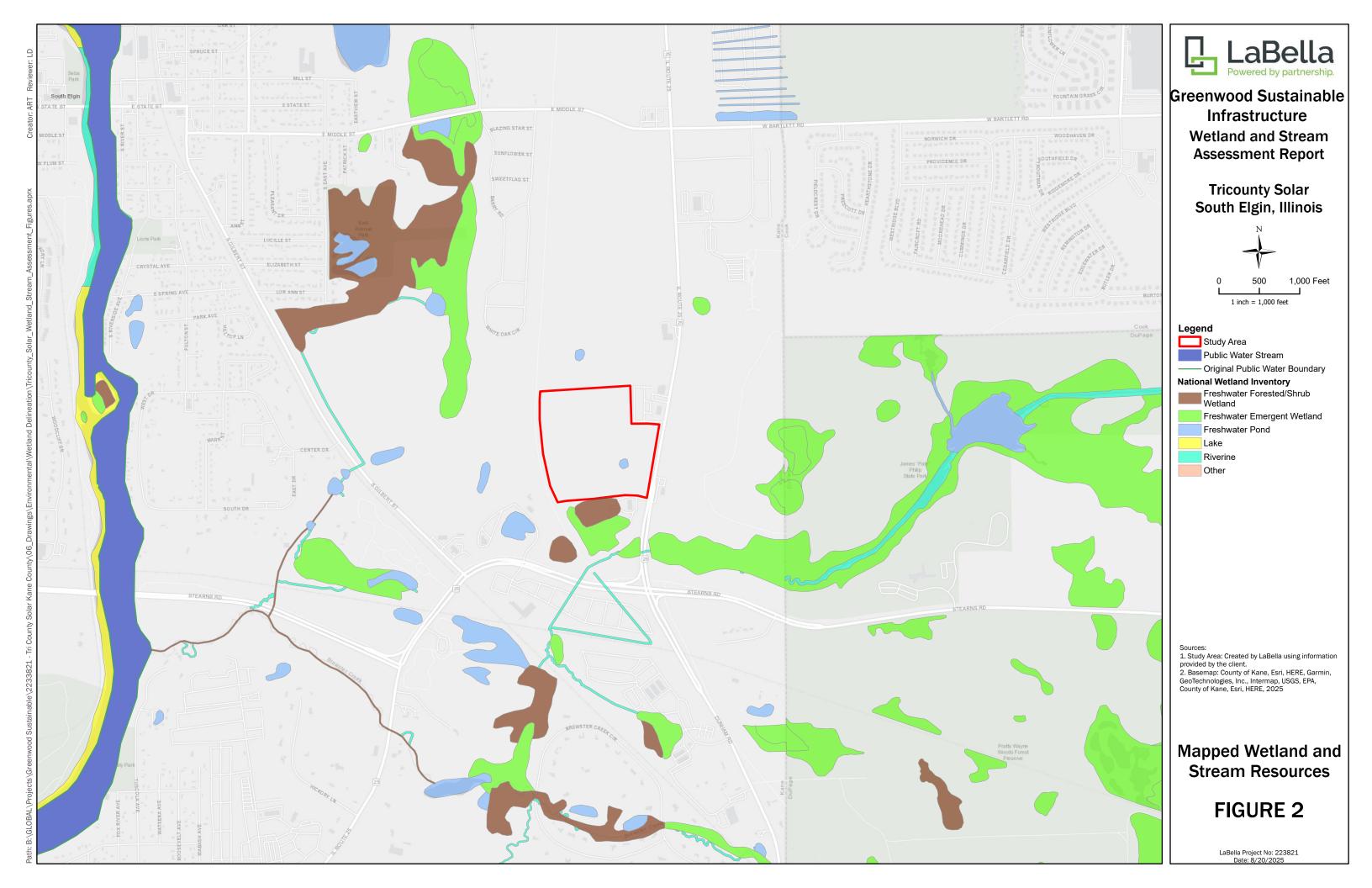
Study Area

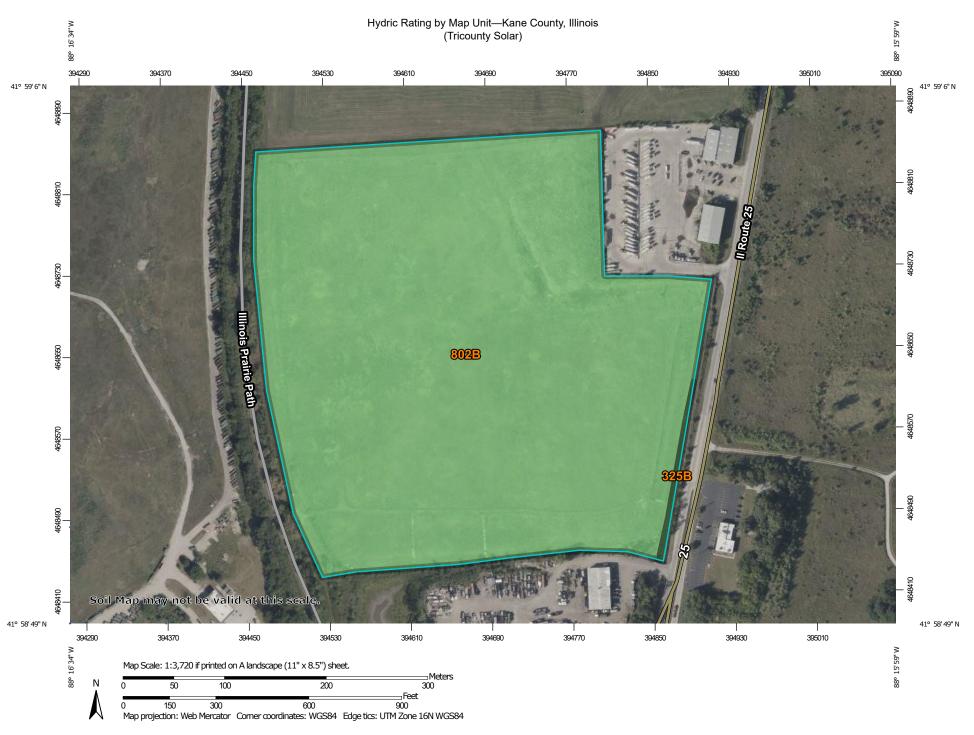
- Sources:
 1. Study Area: Created by LaBella using information provided by the client.
 2. Basemap: ESRI USA Topo Map (Updated: 2025) in reference to USGS Topographic Elgin, IL (1925), Geneva, IL (1932), Wheaton, IL (1908), and Barrington, IL (1923)Quadrangles.

USGS Site Location

FIGURE 1

LaBella Project No: 2233821





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
325B	Dresden silt loam, 2 to 4 percent slopes	4	0.1	0.2%
802B	Orthents, loamy, 1 to 6 percent slopes	3	39.4	99.8%
Totals for Area of Intere	st	39.5	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.

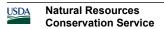
The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria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

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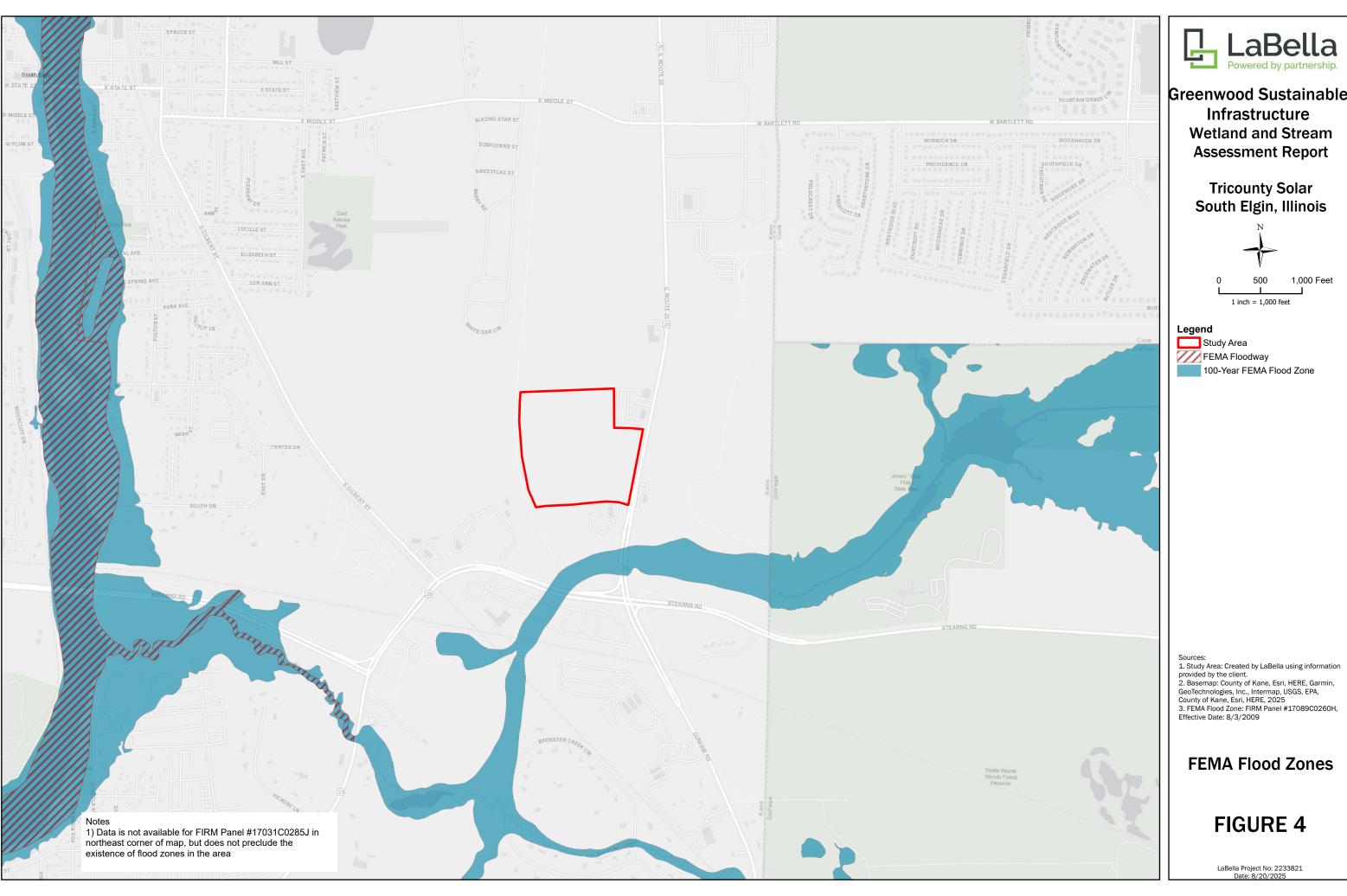
Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

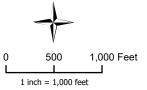
Tie-break Rule: Lower





Greenwood Sustainable Infrastructure **Wetland and Stream Assessment Report**

> **Tricounty Solar** South Elgin, Illinois



FEMA Flood Zones

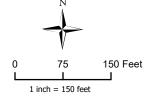
FIGURE 4

LaBella Project No: 2233821 Date: 8/20/2025



Greenwood Sustainable Infrastructure **Wetland and Stream Assessment Report**

Tricounty Solar South Elgin, Illinois



Legend

Study Area

▲ Data Point Location

Culvert

Emergent Wetland (PEM) Ditch

Culvert Area

==== Road

Soil

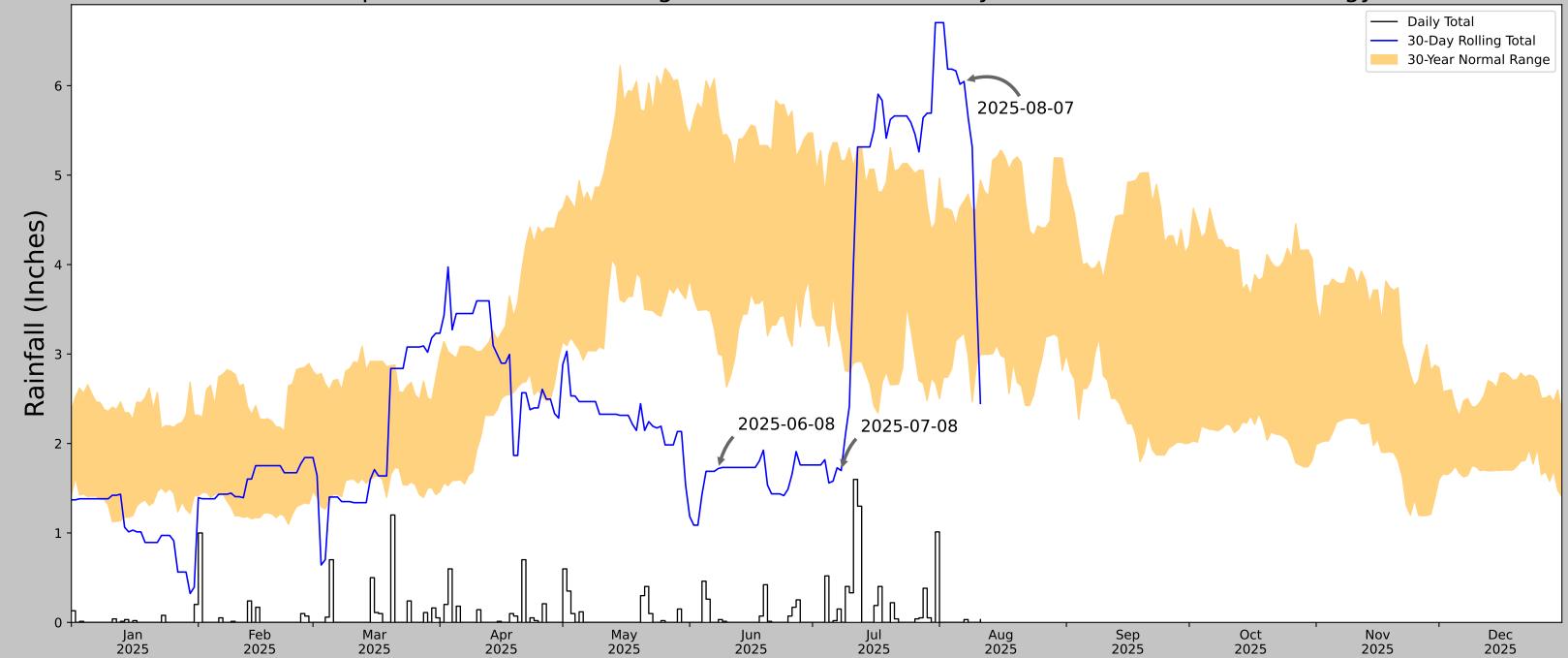
- Sources:
 1. Study Area: Created by LaBella using information provided by the client.
 2. Basemap: Kane County, IL/EagleView, Maxar,
- 2024. 3. Road: TIGER, 2022.
- 4. Mapped soil data were obtained from the NRCS

Wetland and Stream Assessment

FIGURE 5

LaBella Project No: 2233821 Date: 8/20/2025

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



Coordinates	41.98178, -88.26889
Observation Date	2025-08-07
Elevation (ft)	758.158
Drought Index (PDSI)	Mild drought (2025-07)
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-08-07	3.235039	4.70748	6.047244	Wet	3	3	9
2025-07-08	3.114173	5.161811	1.69685	Dry	1	2	2
2025-06-08	3.002362	5.691339	1.720472	Dry	1	1	1
Result							Normal Conditions - 12

Figures and tables made by the Antecedent Precipitation Tool Version 2.9

US Army Corps of Engineers.

Developed by: U.S. Army Corps of Engineers and U.S. Army Engineer Research and Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ELGIN WATER	42.0628, -88.2861	745.079	5.667	13.079	2.624	11209	87
ELGIN 1.1 NNE	42.0557, -88.2829	786.089	0.517	41.01	0.254	0	3
ELGIN 1.9 NE	42.0606, -88.264	807.087	1.144	62.008	0.586	5	0
ELGIN 0.9 WSW	42.0366, -88.3056	830.053	2.068	84.974	1.106	14	0
ELGIN 2.3 WNW	42.0531, -88.3294	824.147	2.32	79.068	1.227	14	0
ELGIN 1.0 S	42.0256, -88.2885	777.887	2.573	32.808	1.242	17	0
STREAMWOOD	42.0256, -88.1783	818.898	6.099	73.819	3.195	76	0
ELK GROVE VILLAGE	42.0033, -88.0069	700.131	14.907	44.948	7.378	4	0
MCHENRY STRATTON LOCK/DAM	42.3097, -88.2533	735.892	17.142	9.187	7.871	14	0





APPENDIX B

Data Forms

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Tri Cou	nty Solar		City/Coi	unty: South E	igin, Kane	San	npling Dat	e: <u>8/7/2</u>	.5
Applicant/Owner:	Greenwood Sustainable Inf	rastructure, LLC			State:	IL Sam	npling Poir	nt: WE	ETA-1
Investigator(s): Charl	les Plush and Ruthie Towns,	Labella Associate	s Section,	Township, Ra	nge: TWP: 40N	I RNG: 8E SE	.C: 1		
Landform (hillside, te	errace, etc.): Constructed dra	ainageway		Local relief (d	concave, convex,	none): Conca	ave		
Slope (%): 0	Lat: 41.981780,		Long:	-88.268892		Datun	n: NAD83		
Soil Map Unit Name:	Orthents, loamy, 1 to 6 per	cent slopes			NW	/I classification	n: None		
Are climatic / hydrolo	ogic conditions on the site typ	oical for this time o	f year?	Yes x	No (If	f no, explain ir	n Remarks	s.)	
	, Soil x , or Hydrology		-		Circumstances" p			•	
	, Soil x , or Hydrology				xplain any answer				_
·	FINDINGS – Attach sit	<u>_</u>			•			atures,	etc.
Hydrophytic Vegeta	ation Present? Yes X	No	ls th	e Sampled A	rea				
Hydric Soil Present				in a Wetland		s <u>x</u> N	o		
Wetland Hydrology	Present? Yes X	No							
Remarks:									
	oed landfill, reclaimed througl mined to be a wetland based							y disturbe	d.
·			ODL Welland	piants and nu	merous maicators	3 Of Welland II	ydrology.		
VEGETATION -	· Use scientific names o	of plants. Absolute	Dominant	Indicator	ı				
Tree Stratum	(Plot size:		Species?	Status	Dominance T	est workshed	et:		
1.					Number of Do	minant Specie	es That		
2.					Are OBL, FAC	W, or FAC:	_	1	(A)
3.					Total Number		3pecies		
4.					Across All Stra		_	1	_(B)
5			=Total Cover	. ——	Percent of Do		s That	100.0%	(A/B)
Sapling/Shrub Strat	tum (Plot size:		- Folai Covei		Are OBL, FAC	,vv, or FAC.	_	100.0%	_ (A/D)
1.	<u>um</u> (1 101 0120.	/			Prevalence Ir	 ndex workshe	et:		
2					Total % (iply by:	
2					OBL species	100	x 1 =	100	_
4.					FACW species	s0	x 2 =	0	_
5					FAC species	0	x 3 =	0	_
Harb Stratum	(Diet eizer E)		=Total Cover	•	FACU species UPL species	0 0	x 4 = x 5 =	0	-
Herb Stratum 1. Tvpha latifolia	(Plot size: 5)	95	Yes	OBL	Column Totals		(A)	100	(B)
Lythrum salicari	 a	5	No	OBL		Index = B/A	` ′ —	1.00	_(D)
3.	<u>-</u>								_
4.					Hydrophytic '	Vegetation In	dicators:		
5					1 - Rapid	Test for Hydro	phytic Ve	getation	
6						ance Test is >			
						ence Index is			
^						ological Adapt Remarks or o			
						tic Hydrophytic	•	,	
10		100	=Total Cover	. ——	¹ Indicators of	, , ,	•	` '	,
Woody Vine Stratur	m (Plot size:)			be present, un				must
1.	•				Hydrophytic				
2.					Vegetation				
			=Total Cover	•	Present?	Yes X	No_		
Remarks: (Include	photo numbers here or on a		Total Gove		i resent:			<u> </u>	

SOIL Sampling Point: WETA-1

Depth	Matrix			x Featur			onfirm the absence		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Ren	narks
								-	
								•	
¹ Type: C=Cc	oncentration, D=Dep	letion RM=F	Reduced Matrix N	 2S=Mas	ked Sand		² l ocation	n: PL=Pore Lining, M	1=Matrix
Hydric Soil I		iotion, rtivi i	toddood Watrix, N	no mas	Rea Gari	Oldino		ors for Problematic I	•
Histosol (Sandy Gle	ved Mat	rix (S4)			-Manganese Masses	-
	ipedon (A2)		Sandy Red					Parent Material (F21	
Black His			Stripped M					/ Shallow Dark Surfac	•
	n Sulfide (A4)		Dark Surfa		-,			er (Explain in Remark	
	Layers (A5)		Loamy Mu	` '	eral (F1)			o. (=/.p.a	,
2 cm Mu			Loamy Gle						
	Below Dark Surface	e (A11)	Depleted N						
	rk Surface (A12)	,	Redox Dar						
	osulfide (A18)		Depleted D		, ,		³ Indicato	ors of hydrophytic veg	etation and
	ucky Mineral (S1)		Redox Dep					and hydrology must b	
	cky Peat or Peat (S3	3)			` ,			ss disturbed or probl	
Restrictive L	ayer (if observed):								
Type:									
Depth (in	ches):		_				Hydric Soil Preser	nt? Yes	No
Remarks:	,								
							sturbance on the land esence of hydric soil		concerns of
HYDROLO	GY								
-	drology Indicators:								
-	ators (minimum of c	ne is require						ary Indicators (minimu	um of two required)
	Water (A1)		Water-Stai		, ,			ace Soil Cracks (B6)	
	er Table (A2)		Aquatic Fa	`	,			nage Patterns (B10)	
x Saturatio			True Aqua					Season Water Table	(C2)
Water Ma	` '		Hydrogen		•			yfish Burrows (C8)	
	t Deposits (B2)		Oxidized R			•		uration Visible on Aer	
x Drift Dep			Presence of			,		nted or Stressed Plan	
	t or Crust (B4)		Recent Iron			iled Soil		morphic Position (D2	2)
Iron Depo		(DZ)	Thin Muck		` '		<u>X</u> FAC	C-Neutral Test (D5)	
	n Visible on Aerial I	0 , ,	<u> </u>		` '				
	Vegetated Concave	Surface (Do	B)Other (Exp	nain in R	temarks)		1		
Field Observ			NI.	D 41- /:					
Surface Wate					nches): _				
Water Table		es			nches): _		Matlemal III ideal	D	V Na
Saturation Pr		s X	No	Depth (i	nches):	1	wetiand Hydroid	ogy Present? Yes	XNo
(includes cap		dollar me	nitoring well serie	l nhotos	provious	inono-	tions) if available:		
Describe Rec	corded Data (stream	gauge, mor	illoring well, aerla	ι μποιος	, previou:	sinspec	uons), ii avaliable:		
Remarks:									
	n drainageway. Evi	dence of rec	ently flowing wate	er and so	oil satura	tion visit	ole at surface level. U	Jnable to check for wa	ater table because
of site restrict	0 ,								

AGENCY DISCLOSURE NOTIFICATION

The public reporting burden for this collection of information, OMB Control Number 0710-0024, is estimated to average 30 minutes per response, including the timefor reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR REQUEST TO THE ABOVE EMAIL.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: http://dpcld.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Tri Coun	ty Solar				City/Co	ounty: South E	Elgin, Ka	ne		Sampling l	Date:	8/7/2	25
Applicant/Owner:	Greenwood Sเ	ustainable Inf	rastructure	e, LLC			s	State:	IL S	Sampling I	Point:	UI	PLA-1
Investigator(s): Charle	s Plush and R	uthie Towns,	Labella A	ssociate	s Section	, Township, Ra	ange: 1	WP: 40N	RNG: 8E	SEC: 1			
Landform (hillside, ter	race, etc.): Hil	lside adjacer	it to draina	ageway		Local relief (d	concave	, convex,	none): Co	nvex			
Slope (%): 5	Lat: 41.98178	30,			Long:	- : -88.268892			Da	tum: NAD	83		
Soil Map Unit Name:			ent slope	s				NW	l classifica	tion: Non	е		
Are climatic / hydrolog	ic conditions of	on the site typ	ical for th	is time of	year?	Yes x	No	(If	no, explai	n in Rema	ırks.)		
Are Vegetation					-	Are "Normal (Circumst					о х	
Are Vegetation		_				(If needed, ex					_		_
SUMMARY OF F	<u> </u>	· ·				,		•		,			
Hydrophytic Vegetati	ion Present?	Yes	No 2	Y	le t	he Sampled A	roa						
Hydric Soil Present?		Yes	No			hin a Wetland		Yes	}	No_X			
Wetland Hydrology F		Yes					•				_		
Remarks:													
Entire site is a cappe											antly d	isturbe	ed.
Sample area determ	ined to be with	in an upland	area base	ed on dor	ninant vege	tation and lack	of wetla	ind hydrol	logy indica	tors.			
VEGETATION -	Use scientif	ic names c	of plants.										
Tree Stratum	(Plot size:	\		osolute Cover	Dominant Species?		Dom	inanco T	est works	hoot:			
1.	(1 101 3126.			COVE	Opecies:	Otatus			minant Sp				
2.									W, or FAC			0	(A)
3.						_	Total	Number	of Domina	nt Species	s		
4							Acros	ss All Stra	ita:			2	_(B)
5									minant Spe			. 00/	(A (D)
Capling/Chrub Stratu	m (Diet	oizo:	\ <u> </u>		=Total Cove	er	Are C	DBL, FAC	W, or FAC	; :	0	0.0%	_(A/B)
Sapling/Shrub Stratu 1.	•	size:					Prov	alence In	dex work	shoot:			
1. 2.								Total % C			/lultiply	/ by:	
2							OBL	species	0	x 1 =		0	_
4							FAC\	N species	5	x 2 =	=	10	_
5								species	10	x 3 =		30	_
			_	:	=Total Cove	er		J species		x 4 =		160	_
Herb Stratum	(Plot size:)		40	V	FAOU		species	35	x 5 =		175	_ (D)
Melilotus officinal Vitis riparia	IIS			<u>40</u> 5	Yes No	FACU FACW		mn Totals	: 90 Index = E	(A)	4.17	375	_(B)
3. Daucus carota				35	Yes	UPL	FI	evalence	iliuex – E	D/A	4.17		_
4. Rumex crispus				10	No	FAC	Hvdr	ophytic \	/egetatio	n Indicato	rs:		
5.							_		Test for Hy			ation	
6.								•	ance Test		J		
7.								B - Prevale	ence Index	is ≤3.0 ¹			
8.							4		ological Ac				
9									Remarks o			,	
10							F	Problemat	ic Hydropl	nytic Vege	tation ¹	(Expl	ain)
Woody Vine Stratum	(Plot	size:)	90 =	=Total Cove	er			nydric soil less distur				must
1					·		Hvdr	ophytic				_	
2.							Vege	tation					
				:	=Total Cove	er	Pres	ent?	Yes	No	<u> </u>		
Remarks: (Include p	hoto numbers	here or on a	separate	sheet.)									

SOIL Sampling Point: UPLA-1

Depth	Matrix	s to the dep		x Featur		1101 01 0	confirm the absence o	i iliaicators.j			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
			, ,								
	-										
¹ Type: C=C	oncentration, D=De	pletion. RM=	Reduced Matrix.	MS=Mas	ked Sand	d Grains	Location:	PL=Pore Lining, M=Matrix.			
Hydric Soil			,					s for Problematic Hydric S			
Histosol	(A1)		Sandy Gle	eyed Mat	rix (S4)		Iron-N	Manganese Masses (F12)			
Histic Ep	ipedon (A2)		Sandy Re				Red F	Parent Material (F21)			
Black Hi	stic (A3)		Stripped N	/latrix (Se	3)		Very S	Shallow Dark Surface (F22)			
Hydroge	n Sulfide (A4)		Dark Surfa	ace (S7)			Other	(Explain in Remarks)			
Stratified	Layers (A5)		Loamy Mu	icky Min	eral (F1)						
2 cm Mu	ck (A10)		Loamy Gl	eyed Ma	trix (F2)						
Depleted	l Below Dark Surfa	ce (A11)	Depleted	Matrix (F	3)						
Thick Da	rk Surface (A12)		Redox Da	rk Surfac	e (F6)						
Iron Mor	osulfide (A18)		Depleted	Dark Sur	face (F7)		³ Indicators	s of hydrophytic vegetation a	ınd		
	lucky Mineral (S1)		Redox De	pression	s (F8)		wetlar	nd hydrology must be preser	nt,		
5 cm Mu	cky Peat or Peat (S	33)					unles	s disturbed or problematic.			
Restrictive	Layer (if observed):									
Type:											
Depth (ii	nches):						Hydric Soil Present	? Yes	No		
Remarks:						-					
No soil samp	oles taken given res	strictions put	in place by the lar	downer	prohibitin	g soil di	sturbance on the landfi	ll cap. Addtionally, concerns	of		
hazardous n	naterials within the	soil prevente	d soil sampling re	quired to	determin	e the pr	resence of hydric soil in	dicatiors.			
HYDROLO	GY										
Wetland Hy	drology Indicators	s:									
Primary Indi	cators (minimum of	one is requi	red; check all that	apply)			Secondar	y Indicators (minimum of two	required)		
Surface	Water (A1)		Water-Sta	ined Lea	ves (B9)		Surfac	ce Soil Cracks (B6)			
High Wa	ter Table (A2)		Aquatic Fa	auna (B1	3)		Drainage Patterns (B10)				
Saturation	on (A3)		True Aqua	atic Plant	s (B14)		Dry-S	eason Water Table (C2)			
Water M	arks (B1)		Hydrogen	Sulfide (Odor (C1)	Crayfi	ish Burrows (C8)			
Sedimer	t Deposits (B2)		Oxidized I			_	oots (C3) Satura	ation Visible on Aerial Image	ery (C9)		
Drift Dep	oosits (B3)		Presence	of Reduc	ced Iron (C4)	Stunte	ed or Stressed Plants (D1)			
Algal Ma	t or Crust (B4)		Recent Iro	n Reduc	tion in Ti	lled Soil	s (C6) Geom	norphic Position (D2)			
	osits (B5)		Thin Muck		, ,		FAC-I	Neutral Test (D5)			
	on Visible on Aerial				` '						
Sparsely	Vegetated Conca	/e Surface (E	38)Other (Ex	plain in F	Remarks)						
Field Obser	vations:										
Surface Wat		'es	No <u>x</u>	Depth (i	nches):						
Water Table		'es	No <u>x</u>		nches): _						
Saturation P		'es	No <u>x</u>	Depth (i	nches):		Wetland Hydrolog	y Present? Yes	No X		
(includes ca							<u> </u>				
Describe Re	corded Data (strea	m gauge, mo	onitoring well, aeria	al photos	, previou	s inspec	tions), if available:				
Remarks:											
	t taken on elevated	hillside adia	cent to the constru	ucted dra	inagewa	y. No e	vidence of wetland hyd	rology.			
		,			5 -	-	,, -	. ,			

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U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Tri County Solar	City/County: South E	lgin, Kane	Sampling Date: 8/7/25
Applicant/Owner: Greenwood Sustainable Infrastructure, LLC		State: IL	Sampling Point: WETB-1
Investigator(s): Charles Plush and Ruthie Towns, Labella Associates	Section, Township, Rar	nge: TWP: 40N RNG: 8	E SEC: 1
Landform (hillside, terrace, etc.): Constructed Drainageway	Local relief (c	oncave, convex, none): (Concave
Slope (%): 0 Lat: 41.9819698	Long: -88.2736185		Datum: NAD83
Soil Map Unit Name: Orthents, loamy, 1 to 6 percent slopes		NWI classifi	cation: None
Are climatic / hydrologic conditions on the site typical for this time of you	ear? Yes x	No (If no, exp	ain in Remarks.)
Are Vegetation , Soil x , or Hydrology significantly dis			Yes No x
Are Vegetation , Soil x , or Hydrology naturally proble		plain any answers in Rer	
SUMMARY OF FINDINGS – Attach site map showing		-	•
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Ar	ea	
Hydric Soil Present? Yes No	within a Wetland?		No
Wetland Hydrology Present? Yes X No No			
Remarks:	<u>'</u>		
Entire site is a capped landfill, reclaimed through the Superfund prog Sample area determined to be a wetland based on dominance of we			
VEGETATION – Use scientific names of plants.			
	Dominant Indicator		
`	Species? Status	Dominance Test work	ksheet:
1		Number of Dominant S Are OBL, FACW, or FA	•
3.		Total Number of Domi	
4.		Across All Strata:	(B)
5		Percent of Dominant S	
	otal Cover	Are OBL, FACW, or FA	AC: <u>100.0%</u> (A/B)
Sapling/Shrub Stratum (Plot size:)	-		
		Prevalence Index wo	
2. 3.		Total % Cover of: OBL species 0	
3		FACW species 90	
5.		FAC species 0	
	otal Cover	FACU species 0	
Herb Stratum (Plot size: 5 feet)	-	UPL species 0	x 5 = 0
1. Echinochloa crus-galli 50	Yes FACW	Column Totals: 90	
2. Persicaria pensylvanica 40	Yes FACW	Prevalence Index =	B/A = 2.00
3.			
4.		Hydrophytic Vegetati	on Indicators:
5		1 - Rapid Test for	Hydrophytic Vegetation
6		X 2 - Dominance Te	
7		X 3 - Prevalence Ind	
8			Adaptations ¹ (Provide supporting
9			s or on a separate sheet)
10		Problematic Hydro	phytic Vegetation ¹ (Explain)
<u>90</u> =T <u>Woody Vine Stratum</u> (Plot size:)	otal Cover	¹ Indicators of hydric so be present, unless dist	il and wetland hydrology must urbed or problematic.
1		Hydrophytic	
2		Vegetation	
=T	otal Cover	Present? Yes_	X No
Remarks: (Include photo numbers here or on a separate sheet.)			

SOIL Sampling Point: WETB-1

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

Depth	Matrix		Redo	ox Featu	res						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	R	emarks		
	-							-			
1Type: C=C	oncentration, D=De	nlotion PM-	-Paduaad Matrix	MS-Mos	kod Sone	Croine	² l acation	: PL=Pore Lining	M-Motriy		
Hydric Soil		pietion, Min-	-Neduced Matrix,	IVIO-IVIAS	skeu Sand	Giailis.		rs for Problemati		3.	
Histosol			Sandy Gl	avad Ma	triv (S1)			Manganese Mass	•	•	
	ipedon (A2)		Sandy Re					Parent Material (F			
Black His			Stripped I				Very Shallow Dark Surface (F22)				
	n Sulfide (A4)		Dark Surf		-		Other (Explain in Remarks)				
	Layers (A5)		Loamy M					(Explain in Rein	aiks)		
2 cm Mu			Loamy G	•	` '						
	l Below Dark Surfa	oo (A11)	Depleted	-							
	rk Surface (A12)	Ce (ATT)	Redox Da	-							
	osulfide (A18)		Depleted				³ Indicator	rs of hydrophytic v	vogotation and		
	ucky Mineral (S1)		Redox De					and hydrology mus	-		
	cky Peat or Peat (S	33)	Nedox De	pression	13 (1 0)			ss disturbed or pro			
		•				Ĭ	unies	ss disturbed or pro	DDIETHALIC.		
_	_ayer (if observed):									
Type:											
Depth (in	iches):						Hydric Soil Present	t? Y	esNo		
Remarks:											
							turbance on the land		ly, concerns of		
hazardous m	aterials within the s	soil prevente	d soil sampling re	quired to	determin	e the pre	sence of hydric soil in	ndicatiors.			
HYDROLO	GY										
Wetland Hyd	drology Indicators	s:									
=	cators (minimum of		red; check all that	apply)			Seconda	ry Indicators (mini	mum of two rec	uired)	
x Surface	Water (A1)	-	Water-Sta	ained Lea	aves (B9)		Surfa	ace Soil Cracks (B	36)		
High Wa	ter Table (A2)		Aquatic F				x Drair	nage Patterns (B1	0)		
x Saturation	n (A3)		True Aqu	atic Plan	ts (B14)		 Dry-S	Season Water Tal	ole (C2)		
	arks (B1)		Hydrogen	Sulfide	Odor (C1)		fish Burrows (C8)			
Sedimen	t Deposits (B2)		Oxidized	Rhizosph	neres on l	iving Ro	ots (C3) x Satu	ration Visible on A	erial Imagery (C9)	
Drift Dep	osits (B3)		Presence	of Redu	ced Iron (C4)	Stun	ted or Stressed Pl	lants (D1)		
Algal Ma	t or Crust (B4)		Recent Ire	on Redu	ction in Ti	lled Soils	(C6) x Geor	morphic Position (D2)		
Iron Dep	osits (B5)		Thin Muc	k Surface	e (C7)		X FAC-	-Neutral Test (D5))		
Inundation	on Visible on Aerial	Imagery (B7	') Gauge or	Well Da	ta (D9)						
Sparsely	Vegetated Concav	e Surface (E	38) Other (Ex	plain in F	Remarks)						
Field Observ	vations:										
Surface Wate	er Present? Y	'es x	No	Depth (inches):	3					
Water Table		es	No		inches):						
Saturation Pr	resent? Y	es x	No		inches):		Wetland Hydrolog	gy Present? Y	es X No)	
(includes cap	oillary fringe)				_	,					
Describe Re	corded Data (strear	m gauge, mo	nitoring well, aeri	al photos	s, previous	s inspecti	ons), if available:				
	· .						<u> </u>				
Remarks:											

AGENCY DISCLOSURE NOTIFICATION

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PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: http://dpcld.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Tri County Solar		City/Cou	nty: South E	lgin, Kane	Sa	mpling Date:	8/7/2	<u>2</u> 5
Applicant/Owner: Greenwood Sustainable	e Infrastructure, LLC			State:	IL Sar	mpling Point:	UF	PLB-1
Investigator(s): Charles Plush and Ruthie Tov	vns, Labella Associates	Section, T	ownship, Ra	nge: TWP: 40N	RNG: 8E SE	EC: 1		
Landform (hillside, terrace, etc.): Hillside adja	acent to drainageway		Local relief (c	oncave, convex,	none): Conv	ex		
Slope (%):5		Long: -	88.273841		Datui	m: <u>NAD83</u>		
Soil Map Unit Name: Orthents, loamy, 1 to 6	percent slopes			NW	l classificatio	n: None		
Are climatic / hydrologic conditions on the site	e typical for this time of y	ear?	Yes x	No (If	no, explain i	n Remarks.)		
Are Vegetation, Soilx_, or Hydrold	ogysignificantly dis	turbed? A	re "Normal C	ircumstances" pr	esent? Yo	esN	о <u>х</u>	_
Are Vegetation, Soilx_, or Hydrolo	ogynaturally proble	ematic? (If needed, ex	plain any answer	s in Remarks			
SUMMARY OF FINDINGS – Attach	site map showing	samplin	g pc _X					
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	ea				
Hydric Soil Present? Yes	No	withir	n a Wetland?	Yes	N	No <u>X</u>		
Wetland Hydrology Present? Yes								
Remarks: Entire site is a capped landfill, reclaimed thr Area determined to be an upland based on l					ematic and	significantly d	listurbe	ed.
VEGETATION – Use scientific name								
<u>Tree Stratum</u> (Plot size:	Absolute) % Cover	Dominant Species?	Indicator Status	Dominance To	oet workehe	not:		
1. (1 lot 3/26.		Орсоюз:	Otatus	Number of Do				
2.				Are OBL, FAC			0	(A)
3.				Total Number		Species		
4 5.				Across All Stra			1	_(B)
Sapling/Shrub Stratum (Plot size:		otal Cover		Percent of Dor Are OBL, FAC	•		0.0%	_(A/B)
1	·			Prevalence In	dex worksh	eet:		
2.				Total % C	over of:	Multiply	y by:	_
3				OBL species	0	x 1 =	0	_
4				FACW species		_ x 2 =	0	_
5		otal Cover		FAC species FACU species	105	x 3 =	0 420	-
Herb Stratum (Plot size: 5 feet		otal oovel		UPL species	0	x 5 =	0	_
1. Vicia sativa	80	Yes	FACU	Column Totals	: 105		420	(B)
2. Asclepias syriaca	10	No	FACU	Prevalence	Index = B/A	4.00)	_
3. Carduus nutans	15	No	FACU					
4				Hydrophytic \	_			
56.					Test for Hydr ance Test is	ophytic Veget	ation	
6					ence Index is			
8.						otations ¹ (Prov	/ide su	pporting
9.				data in l	Remarks or o	on a separate	sheet)	1
10				Problemat	ic Hydrophyt	ic Vegetation	1 (Expl	ain)
Woody Vine Stratum (Plot size:	105=1)	otal Cover		¹ Indicators of h be present, un	•	,	0,	must
1.				Hydrophytic				
2.		otal Cover		Vegetation Present?	Yes	No X		
Remarks: (Include photo numbers here or								
Remarks: (Include photo numbers here or o		otal Cover		Present?	Yes	NoX		

SOIL Sampling Point: UPLB-1

		to the deptr				itor or c	onfirm the absence of	of indicators.)			
Depth (inches)	Matrix Color (moist)	<u></u> %	Color (moist)	x Featur %		Loc ²	Texture	Remarks			
(inches)	Color (moist)	70	Color (moist)	70	Type ¹	LOC	Texture	Remarks			
			_	· <u></u>					_		
¹ Type: C=C	oncentration, D=Dep	letion, RM=F	Reduced Matrix, N	/IS=Mas	ked Sand	d Grains	. ² Location:	: PL=Pore Lining, M=Ma	trix.		
Hydric Soil	Indicators:						Indicator	s for Problematic Hydri	c Soils³:		
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)		Iron-N	Manganese Masses (F12)		
Histic Ep	ipedon (A2)		Sandy Red				Red F	Parent Material (F21)			
Black Hi			Stripped M				Very Shallow Dark Surface (F22)				
	n Sulfide (A4)		Dark Surfa		,			(Explain in Remarks)	,		
	Layers (A5)		Loamy Mu	ckv Mine	eral (F1)			,			
2 cm Mu			Loamy Gle	-							
	l Below Dark Surface	(A11)	Depleted N	-							
	rk Surface (A12)	()	Redox Dar								
	osulfide (A18)		Depleted D		` '		³ Indicators of hydrophytic vegetation and				
	lucky Mineral (S1)		Redox Dep				wetland hydrology must be present,				
	cky Peat or Peat (S3	:\	Redox Del	710331011	3 (1 0)		unless disturbed or problematic.				
						1	dillos	o diotarbed or problemati	<u> </u>		
	Layer (if observed):										
Type:			<u> </u>								
Depth (ii	nches):		_				Hydric Soil Present	? Yes	No		
Remarks:											
								Il cap. Addtionally, conce	erns of		
hazardous n	naterials within the so	il prevented	soil sampling req	uired to	determin	e the pr	esence of hydric soil in	idicatiors.			
HYDROLO	GY										
Wetland Hy	drology Indicators:										
_	cators (minimum of o	ne is require	ed: check all that a	apply)			Secondar	y Indicators (minimum of	two required)		
	Water (A1)	no lo roquiro	Water-Stai		ves (R9)		Surface Soil Cracks (B6)				
	` '		Aquatic Fa		, ,		Drainage Patterns (B10)				
High Water Table (A2) Saturation (A3) Aquatic Fau True Aquati				-	-			Season Water Table (C2)			
	arks (B1)		Hydrogen			١		ish Burrows (C8)			
	it Deposits (B2)		Oxidized F					ation Visible on Aerial Im	agery (C0)		
	osits (B3)		Presence			_		ed or Stressed Plants (D			
	t or Crust (B4)		Recent Iro					norphic Position (D2)	1)		
						ileu Soli	` '				
	osits (B5) on Visible on Aerial Ir	magani (D7)	Thin Muck		. ,		FAC-	Neutral Test (D5)			
	Vegetated Concave	Surface (bo	B)Other (Exp	iain in R	temarks)		_				
Field Obser											
Surface Wat	er Present? Ye	s	No <u>x</u>		nches):						
Water Table	Present? Ye	s			nches): _						
Saturation P	resent? Ye	s	No <u>x</u>	Depth (i	nches):		Wetland Hydrolog	gy Present? Yes	NoX		
(includes ca											
Describe Re	corded Data (stream	gauge, mon	itoring well, aeria	l photos	, previous	s inspec	tions), if available:				
Remarks:	t loopted as almost	الداد حالما ا	soont to the start		Ne -: ! '	anc= - *	hudrala e:				
Sample poin	t located on elevated	ı miiside adja	cent to the draina	ageway.	NO evid	ence of	nyarology.				

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See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

Project/Site: Tri Cou	inty Solar			City/Cou	unty: South E	∃lgin, Kar	ne	s	ampling D	ate: <u>8/7/</u> 2	25
Applicant/Owner:	Greenwood S	ustainable Infra	structure, LLC			St	ate:	IL S	ampling Po	oint: W	ETB-2
Investigator(s): Charl	les Plush and R	Ruthie Towns, L	abella Associate	es Section,	Township, Ra	inge: T\	WP: 40N	RNG: 8E	SEC: 1		
Landform (hillside, te	errace, etc.): <u>Co</u>	onstructed drair	nageway		Local relief (d	concave,	convex,	none): Cor	ncave		
Slope (%): 0	Lat: 41.9837	73,		Long:	-88.274207			Dat	tum: NAD8	3	
Soil Map Unit Name:	: Orthents, loan	ny, 1 to 6 perce	nt slopes				NWI	classificat	ion: None		
Are climatic / hydrolc	ogic conditions	on the site typic	al for this time o	f year?	Yes x	No	(If	no, explair	n in Remar	ks.)	
Are Vegetation	, Soil x , c	r Hydrology	significantly	disturbed?	Are "Normal (Circumsta	ances" pr	esent?	Yes	No x	
Are Vegetation	, Soil x , c	r Hydrology	naturally pro	blematic?	(If needed, ex	cplain any	answers	s in Remar	ks.)		
SUMMARY OF I					ng point lo	cations	s, trans	ects, im	portant	features	, etc.
Hydrophytic Vegeta	ation Present?	Yes X	No	Is the	e Sampled A	rea					
Hydric Soil Present		Yes	No		in a Wetland1		Yes	X	No		
Wetland Hydrology	Present?	Yes X	No								
Remarks:											
Entire site is a capp Sample area detern											ed.
-				nyuropriyuc ve	egetation and	Severars	Secondar	y welland	nydrology i	nuicators.	
VEGETATION –	- Use scientif	ric names of	plants. Absolute	Dominant	Indicator	1					
Tree Stratum	(Plot size:)	% Cover	Species?	Status	Domii	nance Te	est worksl	neet:		
1.	`	· · · · · · · · · · · · · · · · · · ·				Numb	er of Dor	minant Spe	cies That		
2.						Are O	BL, FAC	W, or FAC	:	1	(A)
3.								of Dominar	nt Species		(5)
4. 5.							s All Stra			1	_(B)
5				=Total Cover				ninant Spe W, or FAC		100.0%	(A/B)
Sapling/Shrub Strat	tum (Plot	size:)	rotal Gover		7400	DL, 1710	VV, 01 1 7 C	•	100.070	_(/\U)
1.		-	_ ′			Preva	lence In	dex works	heet:		
2.						т	otal % C	over of:	Mι	ultiply by:	_
3						OBL s	species	5	x 1 =	5	_
4							/ species		_ x 2 =	190	_
5							pecies	0	_ x3=	0	_
Herb Stratum	(Plot size:	5 feet)		=Total Cover			species pecies	0	_ x4= x5=	0	_
1. Phalaris arundir	`	Jieet)	95	Yes	FACW		n Totals		— (A)	195	(B)
Lythrum salicari				No	OBL			Index = B		1.95	_(5)
											_
4.			_			Hydro	phytic \	/egetation	Indicator	s:	
5						1	- Rapid 1	Γest for Hy	drophytic V	egetation/	
6								ance Test i			
7.								ence Index			
8.						— ⁴				(Provide su arate sheet)	
9 10.			<u> </u>			D			•	ation ¹ (Expl	
10			100	=Total Cover						d hydrology	,
Woody Vine Stratur	m (Plot	size:)						ed or prob		illust
1.	·	-				Hvdro	phytic				
2.						Veget					
				=Total Cover		Prese	nt?	Yes X	No		
Remarks: (Include	photo numbers	here or on a se	eparate sheet.)					·			

SOIL Sampling Point: WETB-2

Profile Description: (Describe to	the depth ne				tor or c	onfirm the absence	of indicators.)		
Depth Matrix			x Featur		. 2	_			
(inches) Color (moist)	% Co	olor (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Remarks	
		-				-	-		
<u> </u>									
¹ Type: C=Concentration, D=Deplet	ion, RM=Red	uced Matrix, N	์ MS=Masl	ked Sand	l Grains	. ² Locatio	n: PL=Pore Lini	ing, M=Matrix	ί.
Hydric Soil Indicators:							ors for Problem		
Histosol (A1)		Sandy Gle	yed Mati	rix (S4)		Iron	-Manganese Ma	asses (F12)	
Histic Epipedon (A2)	_	Sandy Red				Red	Parent Material	l (F21)	
Black Histic (A3)	_	Stripped M	1atrix (S6	6)		Ver	y Shallow Dark S	Surface (F22)	
Hydrogen Sulfide (A4)	_	Dark Surfa	ace (S7)			Oth	er (Explain in Re	emarks)	
Stratified Layers (A5)	_	Loamy Mu	cky Mine	eral (F1)					
2 cm Muck (A10)	_	Loamy Gle							
Depleted Below Dark Surface (A	A11)	Depleted N	Matrix (F	3)					
Thick Dark Surface (A12)	_	Redox Dar	rk Surfac	e (F6)					
Iron Monosulfide (A18)	_	Depleted [Dark Surf	face (F7)		³ Indicato	ors of hydrophyti	ic vegetation	and
Sandy Mucky Mineral (S1)	_	Redox De	pressions	s (F8)		wet	and hydrology n	nust be prese	ent,
5 cm Mucky Peat or Peat (S3)						unle	ess disturbed or	problematic.	
Restrictive Layer (if observed):									
Type:									
Depth (inches):						Hydric Soil Prese	nt?	Yes	No
No soil samples taken given restrict hazardous materials within the soil		•			_		•	nally, concern	s of
HYDROLOGY									
Wetland Hydrology Indicators:									
Primary Indicators (minimum of one	is required: o	check all that a	apply)			Second	ary Indicators (m	ninimum of tw	o required)
Surface Water (A1)	no roquirou, c	Water-Stai		ves (B9)			face Soil Cracks		<u>o roquirou,</u>
High Water Table (A2)	_	Aquatic Fa		` ,			inage Patterns (I		
Saturation (A3)	_	True Aqua					-Season Water 1		
Water Marks (B1)	_	Hydrogen		, ,)		yfish Burrows (C		
Sediment Deposits (B2)	_	Oxidized F					uration Visible or	•	erv (C9)
Drift Deposits (B3)	_	Presence			-	` ' —	nted or Stressed	J	, ()
Algal Mat or Crust (B4)	_	Recent Iro		,	,		morphic Position		
Iron Deposits (B5)		Thin Muck					C-Neutral Test (E	D5)	
Inundation Visible on Aerial Ima	gery (B7)	Gauge or \					`	,	
Sparsely Vegetated Concave S	urface (B8)	Other (Exp							
Field Observations:	_								
Surface Water Present? Yes	1	No x	Depth (ii	nches):					
Water Table Present? Yes			Depth (ii	nches):					
Saturation Present? Yes	<u> </u>		Depth (ii	_		Wetland Hydrolo	ogy Present?	Yes X	No
(includes capillary fringe)									
Describe Recorded Data (stream ga	auge, monitor	ing well, aeria	l photos,	, previous	inspec	tions), if available:			
Remarks:									
No surface water found. Sample po	int located wit	thin the upper	end of the	ne wetlar	ıd area	and higher elevation	area of the drain	nageway.	

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PRIVACY ACT STATEMENT

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

Project/Site: Tri Cou	nty Solar			City/Co	unty: South E	Elgin, Kane	Sampl	ing Date:	8/7/2	5
Applicant/Owner:	Greenwood S	Sustainable Infra	astructure, LLC			State:	IL Sampli	ing Point:	UP	LB-2
Investigator(s): Charl	es Plush and F	Ruthie Towns, L	abella Associate	es Section,	Township, Ra	ange: TWP: 401	N RNG: 8E SEC:	1		
Landform (hillside, te	errace, etc.): <u>H</u>	illside west of c	onstructed drain	ageway	Local relief (concave, convex	, none): Convex			
Slope (%): 4	Lat: 41.9837	78,		Long:	-88.274207		Datum: 1	NAD83		
Soil Map Unit Name:	Orthents, loar	ny, 1 to 6 perce	ent slopes			NV	VI classification:			
Are climatic / hydrolc	gic conditions	on the site typic	cal for this time c	of year?	Yes x	No (I	f no, explain in R	emarks.)		
Are Vegetation_	, Soil <u>x</u> , o	or Hydrology	significantly	disturbed?	Are "Normal (Circumstances" p	oresent? Yes_	No.	о х	_
Are Vegetation	, Soil <u>x</u> , c	or Hydrology	naturally pro	blematic?	(If needed, ex	xplain any answe	rs in Remarks.)			-
SUMMARY OF I	FINDINGS -	- Attach site	map showing	ng samplir	ng point lo	cations, tran	sects, import	ant feat	ures,	etc.
Hydrophytic Vegeta	tion Present?	Yes	No X	Is th	e Sampled A	rea				
Hydric Soil Present		Yes	No	with	in a Wetland	? Ye	s No_	X		
Wetland Hydrology	Present?	Yes	No X							
Remarks: Entire site is a capp	ed landfill recl	aimed through	the Superfund p	rogram Cons	sequenity nat	tural soils are pro	oblematic and sign	nificantly d	isturbe	d
Sample area detern							biomatio and oigi	inioantily a	iotal bo	u .
VEGETATION -	Use scienti	fic names of	plants.							
			Absolute	Dominant	Indicator					
Tree Stratum	(Plot size:)	% Cover	Species?	Status		Test worksheet:			
1						Number of Do	ominant Species ⁻ CW_or FAC:	That	0	(A)
3.				· 			of Dominant Spe	ecies		_ (/ (/
4.				·		Across All Str	•		1	(B)
5.						Percent of Do	ominant Species	 Γhat		-
			, 	=Total Cover	•	Are OBL, FAC	CW, or FAC:	0	.0%	(A/B)
Sapling/Shrub Strat	<u>um</u> (Plot	t size:)			Duninglance				
1. 2.							ndex worksheet : Cover of:	: Multiply	, bv.	
3.						OBL species		x 1 =	0	-
4.						FACW specie	es 0	x 2 =	0	_
5						FAC species		x 3 =	0	_
I I and Other town	(Dist size :	5 f		=Total Cover	•	FACU specie			380	-
<u>Herb Stratum</u> 1. <i>Vicia sativa</i>	(Plot size:	5 feet)	85	Yes	FACU	UPL species Column Total			25 405	(B)
2. Daucus carota				No	UPL		e Index = B/A =	4.05		_(D)
3. Dipsacus fullonu	um		10	No	FACU					-
4.						Hydrophytic	Vegetation Indic	cators:		
5							Test for Hydroph		ation	
							nance Test is >50			
7. 8.							lence Index is ≤3. nological Adaptati		ido sur	nortina
9.							Remarks or on a			porting
10.						Problema	atic Hydrophytic V	egetation ¹	(Expla	ain)
			100	=Total Cover		¹ Indicators of	hydric soil and w	etland hyd	rology	must
Woody Vine Stratur	<u>n</u> (Plot	t size:)			be present, ui	nless disturbed or	r problema	itic.	
						Hydrophytic				
2				=Total Cover		Vegetation Present?	Yes	No X		
Demortes (In-line	nhote must be	- horo				1 10061111		No X		
Remarks: (Include	photo numbers	s here or on a s	eparate sheet.)							

SOIL Sampling Point: UPLB-2

		to the depth				tor or c	confirm the absence of	of indicators.)	
Depth (inches)	Matrix Color (moist)	0/.		x Featur		Loc ²	Toytura	Damarica	
(inches)	Color (moist)	<u> </u>	Color (moist)	<u>%</u>	Type ¹	LUC	Texture	Remarks	
	oncentration, D=Dep	etion, RM=F	Reduced Matrix, N	//S=Masl	ked Sand	Grains		PL=Pore Lining, M=Matr	
Hydric Soil								s for Problematic Hydric	Soils*:
Histosol	` ,		Sandy Gle		rix (S4)			Manganese Masses (F12)	
	oipedon (A2)		Sandy Red					Parent Material (F21)	
	stic (A3)		Stripped M	-	5)			Shallow Dark Surface (F22	2)
	en Sulfide (A4)		Dark Surfa	` ,			Other	(Explain in Remarks)	
	d Layers (A5)		Loamy Mu	-					
	ıck (A10)		Loamy Gle						
	d Below Dark Surface	e (A11)	Depleted I						
	ark Surface (A12)		Redox Da		` '		•		
	nosulfide (A18)		Depleted [s of hydrophytic vegetatior	
	lucky Mineral (S1)		Redox De	pressions	s (F8)			nd hydrology must be pres	
5 cm Mu	icky Peat or Peat (S3)					unles	s disturbed or problematic	•
Restrictive	Layer (if observed):								
Type:			_						
Depth (ii	nches):		_				Hydric Soil Present	? Yes	No
Remarks:						•			
No soil sam	oles taken given restr	ictions put ir	n place by the lan	downer p	rohibitin	g soil di	sturbance on the landfi	Il cap. Addtionally, concer	ns of
hazardous n	naterials within the so	il prevented	soil sampling red	uired to	determin	e the pr	esence of hydric soil in	idicatiors.	
HYDROLO	OGY								
Wetland Hy	drology Indicators:								
_	cators (minimum of o	ne is require	ed: check all that	(vlage			Secondar	y Indicators (minimum of t	wo required)
	Water (A1)	!	Water-Sta		ves (B9)			ce Soil Cracks (B6)	
	ater Table (A2)		Aquatic Fa		, ,			age Patterns (B10)	
Saturation			True Aqua	-	-			Season Water Table (C2)	
	larks (B1)		Hydrogen)		ish Burrows (C8)	
	nt Deposits (B2)		Oxidized F					ation Visible on Aerial Ima	gery (C9)
	posits (B3)		Presence	•		-		ed or Stressed Plants (D1)	
	at or Crust (B4)		Recent Iro		,	,		norphic Position (D2)	
	oosits (B5)		Thin Muck				• • —	Neutral Test (D5)	
	on Visible on Aerial Ir	nagery (B7)			` '			,	
	/ Vegetated Concave								
Field Obser		•	<u> </u>						
Surface Wat		s	No x	Depth (ir	nches):				
Water Table	Present? Ye		No	Depth (ir					
Saturation P	resent? Ye	s	No X	Depth (ir	nches):		Wetland Hydrolog	y Present? Yes	No X
	pillary fringe)			, (-/				
	corded Data (stream	gauge, mon	itoring well. aeria	l photos	previous	s inspec	tions), if available:		
	· (5 5.,	J,	,,	,	F	,,		
Remarks:									
	it taken on elevated h	illside west	of constructed dra	ainagewa	ay. No e	vidence	of hydrology.		
	it taken on elevated h	illside west	of constructed dra	ainagewa	ay. No e	vidence	of hydrology.		

The public reporting burden for this collection of information, OMB Control Number 0710-0024, is estimated to average 30 minutes per response, including the timefor reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR REQUEST TO THE ABOVE EMAIL.

PRIVACY ACT STATEMENT

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

Project/Site: Tri Cour	nty Solar			City/Cou	ınty: South E	Igin, Kane		Samp	ling Date	e: <u>8/7/2</u>	25
Applicant/Owner:	Greenwood Su	ustainable Infra	structure, LLC			State:	IL	Samp	ling Point	t: UF	PLB-3
Investigator(s): Charle	es Plush and R	uthie Towns, La	abella Associate	s Section,	Township, Rai	nge: TWP:	40N RN0	 G: 8E SEC:	: 1		
Landform (hillside, te	rrace, etc.): Up	per end of drai	nageway		Local relief (c	oncave, con	ex, none	e): Concave	е		
Slope (%): 0	-		<u> </u>	Lona: -	-88.274196			Datum:	NAD83		
Soil Map Unit Name:			nt slopes					sification:			
Are climatic / hydrolo				f voar?	Yes x			explain in F		`	
Are Vegetation	-			-	Are "Normal C						
								-		No <u>x</u>	-
Are VegetationSUMMARY OF F					(If needed, ex ig point lo	-		•	tant fe	atures,	, etc.
Lludranhutia Vagata	tion Drocont?	Vac	No. V	lo the	. Compled A						-
Hydrophytic Vegetal Hydric Soil Present?		Yes	No X No		e Sampled Ar n a Wetland?		Yes	No	X		
Wetland Hydrology		Yes X	No	With	ii a vvetiaiia:						
Remarks:		<u> </u>		<u> </u>							
Entire site is a cappe Although indicators											ed.
VEGETATION -	Use scientif	ic names of	plants.								
			Absolute	Dominant	Indicator						
Tree Stratum	(Plot size:)	% Cover	Species?	Status	Dominand	ce Test w	vorksheet:			
1.								nt Species	That		(4)
2.			<u> </u>			Are OBL, I			. —	1	_(A)
3.						Total Num Across All		ominant Sp	ecies	3	(B)
4 5.									<u> </u>	3	_(B)
J			_	=Total Cover		Percent of Are OBL, I				33.3%	(A/B)
Sapling/Shrub Strate	um (Plot	size: 15) ———	- rotal Gover		AIC ODE, I	AOW, O	1170.		33.370	_(//(D)
Rhamnus cathar	-	. 10	/ 	Yes	FAC	Prevalenc	e Index	worksheet			
2.							% Cover			oly by:	
3.			_			OBL speci	es	0	x 1 =	0	_
4.						FACW spe	ecies	0	x 2 =	0	-
5.						FAC speci	es	10	x 3 =	30	_
			10	=Total Cover		FACU spe	cies	80	x 4 =	320	_
Herb Stratum	(Plot size:	5 feet)				UPL speci	_		x 5 =	0	_
1. Ambrosia artemi	isiifolia		25	Yes	FACU	Column To	otals:	90 (A	·)	350	_(B)
2. Symphyotrichum	•		10	No	FACU	Prevale	nce Inde	x = B/A =	3.	.89	_
3. Dipsacus fullonu				Yes	FACU						
4. Melilotus indicus			15	No No	FACU		_	tation Indi			
5. <u>Trifolium pratens</u>			10	<u>No</u>	FACU		•	for Hydropl		etation	
6. 7.								Test is >50 Index is ≤3			
								index is ≤o cal Adaptat		ovido su	nnortina
								arks or on a			
9. 10.								drophytic \	•	•	
			80	=Total Cover		1 Indicators	•		Ū	٠.	,
Woody Vine Stratum	n (Plot	size:)			be present					must
1.	,	-	 '			Hydrophy					
2.						Vegetatio					
				=Total Cover		Present?		es	No_2	X	
Remarks: (Include	photo numbers	here or on a se	eparate sheet.)								

SOIL Sampling Point: UPLB-3

	cription: (Describ	e to the depth				tor or c	onfirm the a	absence of inc	dicators.)	
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textu	ıre	Remarks	
	•									
-	-		-							
	-									
-	·									
¹ Type: C=C	oncentration, D=De	pletion, RM=R	Reduced Matrix, N	∕/S=Mas	ked Sand	d Grains	5.	² Location: PL	=Pore Lining, M=Mati	rix.
Hydric Soil									r Problematic Hydric	
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			Iron-Mang	ganese Masses (F12)	
Histic E	pipedon (A2)		Sandy Red	dox (S5)			·	Red Pare	nt Material (F21)	
Black Hi	istic (A3)		Stripped M	latrix (S6	6)		•	Very Shal	low Dark Surface (F2	2)
Hydroge	en Sulfide (A4)		Dark Surfa	ce (S7)				Other (Ex	plain in Remarks)	
Stratified	d Layers (A5)		Loamy Mu	cky Mine	eral (F1)					
2 cm Mu	ıck (A10)		Loamy Gle	eyed Mat	rix (F2)					
Depleted	d Below Dark Surfa	ce (A11)	Depleted N	/atrix (F	3)					
	ark Surface (A12)		Redox Dai		. ,			_		
Iron Mor	nosulfide (A18)		Depleted [Dark Sur	face (F7)				hydrophytic vegetatio	
	Mucky Mineral (S1)		Redox De	pression	s (F8)				ydrology must be pre	
5 cm Mu	ucky Peat or Peat (83)						unless dis	turbed or problemation).
Restrictive	Layer (if observed):								
Type:			_							
Depth (i	nches):		_				Hydric So	il Present?	Yes	No
Remarks:										
									p. Addtionally, conce	rns of
hazardous n	naterials within the	soil prevented	soil sampling rec	uired to	determin	e the pr	esence of hy	dric soil indica	tiors.	
HYDROLO	OGY									
Wetland Hy	drology Indicators	s:								
Primary Indi	cators (minimum of	one is require	d; check all that a	apply)				Secondary Inc	dicators (minimum of t	two required)
Surface	Water (A1)		Water-Sta	ined Lea	ves (B9)			Surface S	oil Cracks (B6)	
High Wa	ater Table (A2)		Aquatic Fa	iuna (B1	3)			x Drainage	Patterns (B10)	
Saturation	on (A3)		True Aqua		. ,			Dry-Seaso	on Water Table (C2)	
Water M	larks (B1)		Hydrogen	Sulfide (Odor (C1)	•	Crayfish E	Burrows (C8)	
	nt Deposits (B2)		Oxidized F			•	oots (C3)		n Visible on Aerial Ima	
	posits (B3)		Presence			,			r Stressed Plants (D1)
	at or Crust (B4)		Recent Iro			lled Soil	s (C6)		hic Position (D2)	
	posits (B5)	. (5-)	Thin Muck					FAC-Neut	tral Test (D5)	
	on Visible on Aerial		Gauge or \							
	y Vegetated Concav	e Surface (B8)Other (Exp	plain in R	emarks)					
Field Obser		_								
Surface Wat		'es		Depth (i						
Water Table		'es			nches): _				4 0 W W	
Saturation P		'es	No X	Deptn (I	nches):		wetiand	Hydrology Pi	resent? Yes X	No
	pillary fringe)			lh				labla.		
Describe Re	ecorded Data (strea	ıı gauge, moni	itoring well, aerla	ı priotos	previous	sinspec	uons), ii avai	iable.		
Remarks:										
	nt located at the upp	er end of a co	nstructed drainad	gway. E	vidence o	of water	flow through	the area and s	saturation visible on a	erial imagery.
			`	- •			3			5 ,

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PRIVACY ACT STATEMENT

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

Project/Site: Tri Cou	nty Solar			City/Cou	unty: South E	Elgin, Kane	S	ampling Date	e: <u>8/7/2</u>	<u>!</u> 5
Applicant/Owner:	Greenwood S	Sustainable Infra	astructure, LLC			State:	IL Sa	ampling Poin	t: WE	ETC-1
Investigator(s): Charl	es Plush and F	Ruthie Towns, L	_abella Associate	s Section,	Township, Ra	ange: TWP: 40	N RNG: 8E S	SEC: 1		
Landform (hillside, te	errace, etc.): <u>C</u>	onstructed Drai	inageway		Local relief (concave, convex	ι, none): <u>Con</u>	ıcave		
Slope (%): 0	Lat: 41.9844	1249		Long:	-88.2737453	1	Dati	um: NAD83		
Soil Map Unit Name:	Orthents, loar	my, 1 to 6 perce	ent slopes			NV	VI classificati	ion: None		
Are climatic / hydrolc	gic conditions	on the site typic	cal for this time o	f year?	Yes x	No (If no, explain	in Remarks.	.)	
Are Vegetation	, Soil x , o	or Hydrology	significantly of	disturbed?	Are "Normal (Circumstances" _l	present? \	Yes	No x	
Are Vegetation						xplain any answe				_
SUMMARY OF I	<u> </u>							•	atures	, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	Yes X Yes X	No No		e Sampled A n a Wetland		esx_	No		
Remarks: Entire site is a capp Sample area detern										
VEGETATION -	Use scienti	fic names of	plants.							
Tree Stratum	(Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance ¹	Test worksh	neet:		
_						Number of Do	•		1	(A)
3.						Total Number		ıt Species	1	(B)
_				=Total Cover		Percent of Do	•		100.0%	
Sapling/Shrub Strat	:um (Plot	t size:)	rotal Gover		7110 052, 171	311, 01 1710.	_	100.070	_(,,,,)
1.						Prevalence I	ndex works	heet:		
2.						Total %	Cover of:	Multi	ply by:	_
2						OBL species	0	x 1 =	0	_
4						FACW specie	es 85	x 2 =	170	_
5						FAC species	10	x 3 =	30	_
				=Total Cover		FACU specie		x 4 =	20	_
<u>Herb Stratum</u>	(Plot size:	5 feet)				UPL species		x 5 =	0	_
1. Phalaris arundin			85	Yes	FACW	Column Total		(A)	220	_(B)
2. Dipsacus fullonu	um			No No	FACU	Prevalence	e Index = B/	A =2.	.20	-
3. Rumex crispus			10	No	FAC	Hydrophytic	Vacatation	Indicators		
						1	•	drophytic Vec	actation	
6						X 2 - Domir	•	. ,	jetation	
7						X 3 - Preva				
								aptations¹ (Pr	ovide sur	pporting
							-	r on a separa		
9. 10.						Problema	atic Hydroph	ytic Vegetatio	on¹ (Expl:	ain)
Woody Vine Stratur	m (Plot	t size:		=Total Cover		¹ Indicators of be present, u	hydric soil a	nd wetland h	ydrology	,
1	_ ,					·				
2.						Hydrophytic Vegetation				
				=Total Cover		Present?	Yes X	No_		
Remarks: (Include	photo numbers	s here or on a s	eparate sheet.)			•				

SOIL Sampling Point: WETC-1

Depth	Matri		Redo		- 1	. 2			
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
	-								
¹ Type: C=Co	oncentration, D=D	epletion, RM	M=Reduced Matrix, M	์ ИS=Mas	ked Sand	d Grains.	² Location:	PL=Pore Lining, M=Matr	ix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric	Soils ³ :
Histosol ((A1)		Sandy Gle	yed Mat	rix (S4)		Iron-M	langanese Masses (F12)	
Histic Epi	ipedon (A2)		Sandy Red	dox (S5)			Red P	arent Material (F21)	
Black His	stic (A3)		Stripped M	1atrix (S6	3)		Very S	Shallow Dark Surface (F2	2)
	n Sulfide (A4)		Dark Surfa		,			(Explain in Remarks)	•
	Layers (A5)		Loamy Mu	cky Mine	eral (F1)				
2 cm Mud			Loamy Gle	-					
	Below Dark Surf	ace (A11)	Depleted N	-					
	rk Surface (A12)	, ,	Redox Dai	-	•				
Iron Mon	osulfide (A18)		Depleted [` ')	³ Indicators	of hydrophytic vegetation	n and
	ucky Mineral (S1)	Redox De					nd hydrology must be pres	
	cky Peat or Peat		 .		()			s disturbed or problemation	
	<u> </u>							· · · · · · · · · · · · · · · · · · ·	
Postrictivo I	aver (if observe	d).							
	ayer (if observe	d):							
Type:		d):					Hydric Soil Present) Voc	No
Type:	ches):	estrictions pu						l cap. Addtionally, conce	No
Type:	ches):	estrictions pu						l cap. Addtionally, conce	
Type:	ches): les taken given reaterials within the	estrictions pu					turbance on the landfil	l cap. Addtionally, conce	
Type:	ches): les taken given reaterials within the	estrictions pu					turbance on the landfil	l cap. Addtionally, conce	
Type:	ches): les taken given reaterials within the	estrictions pu e soil prevent rs:	ted soil sampling rec	quired to			turbance on the landfil	l cap. Addtionally, conce dicatiors.	rns of
Type:	les taken given reaterials within the	estrictions pu e soil prevent rs:	ted soil sampling rec	quired to	determin	e the pre	turbance on the landfil esence of hydric soil in Secondary	I cap. Addtionally, conce dicatiors. / Indicators (minimum of t	rns of
Type:	les taken given reaterials within the GY drology Indicato eators (minimum of Water (A1)	estrictions pu e soil prevent rs:	uired; check all that a	quired to apply) ined Lea	determin	e the pre	turbance on the landfil esence of hydric soil in Secondary	Il cap. Addtionally, conce dicatiors. If Indicators (minimum of the Soil Cracks (B6)	rns of
Type:	ches): les taken given reaterials within the distribution of the	estrictions pu e soil prevent rs:	uired; check all that a Water-Stai Aquatic Fa	apply) ined Lea	determin	e the pre	turbance on the landfilesence of hydric soil in Secondary Secondary Surfac	Il cap. Addtionally, conce dicatiors. / Indicators (minimum of to the Soil Cracks (B6) age Patterns (B10)	rns of
Type:	ches): les taken given reaterials within the distribution of the	estrictions pu e soil prevent rs:	uired; check all that a Water-Stai Aquatic Fa True Aqua	apply) ined Lea auna (B1 itic Plants	oves (B9) 3) s (B14)	e the pre	turbance on the landfilesence of hydric soil in Secondary Surfact x Draina Dry-Se	/ Indicators (minimum of to Soil Cracks (B6) age Patterns (B10) eason Water Table (C2)	rns of
Type:	ches): les taken given reaterials within the distribution of the	estrictions pu e soil prevent rs:	uired; check all that a Water-Stai Aquatic Fa True Aqua	apply) ined Lea auna (B1 tic Plants	oves (B9) 3) s (B14) Odor (C1	ne the pre	sence of hydric soil in Secondary Surfac x Draina Dry-Si Crayfi	Il cap. Addtionally, conce dicatiors. Indicators (minimum of to be Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8)	rns of
Type:	les taken given reaterials within the drology Indicators (minimum of Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2)	estrictions pu e soil prevent rs:	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 stic Plants Sulfide (Rhizosph	oves (B9) 3) s (B14) Odor (C1 eres on I	e the pre	Secondary Surface X Draina Dry-Se Crayfi ots (C3) X Satura	Il cap. Addtionally, conce dicatiors. Indicators (minimum of the Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Image.	wo required
Type: Depth (in Remarks: No soil samp hazardous m HYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Mater Mat	les taken given reaterials within the distribution of the distribu	estrictions pu e soil prevent rs:	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 tic Plants Sulfide (Rhizosph of Reduc	aves (B9) 3) s (B14) Odor (C1 eres on I	e the pre	Secondary Surface X Draina Dry-Se Crayfi ots (C3) X Satura Stunte	/ Indicators (minimum of tope Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imaged or Stressed Plants (D1	wo required
Type: Depth (in Remarks: No soil samp hazardous m HYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Depr Algal Material	les taken given reaterials within the description of the description o	estrictions pu e soil prevent rs:	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F Presence	apply) ined Lea auna (B1 tic Plants Sulfide C Rhizosph of Reduc	aves (B9) 3) s (B14) Odor (C1 teres on I ced Iron (tion in Ti	e the pre	Secondary Surface X Draina Dry-Sicots (C3) X Satura Stunte (C6) X Geom	Il cap. Addtionally, conce dicatiors. Indicators (minimum of the cape of the	wo required
Type: Depth (in Remarks: No soil samp hazardous m HYDROLO Wetland Hyce Primary Indic Surface V High Wate Mater M	les taken given reaterials within the description of the description o	estrictions pues soil prevent	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plants Sulfide (Rhizosph of Reduc	oves (B9) 3) s (B14) Odor (C1 eres on I ed Iron (tition in Ti	e the pre	Secondary Surface X Draina Dry-Sicots (C3) X Satura Stunte (C6) X Geom	/ Indicators (minimum of tope Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imaged or Stressed Plants (D1	wo required
Type:	les taken given reaterials within the distribution of the distribu	estrictions pues soil prevent rs: of one is requal Imagery (E	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck 37) Gauge or V	apply) ined Lea auna (B1 titic Plants Sulfide (Rhizosph of Reduc in Reduc is Surface Well Data	oves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (ction in Ti e (C7) a (D9)) Living Ro (C4)	Secondary Surface X Draina Dry-Sicots (C3) X Satura Stunte (C6) X Geom	Il cap. Addtionally, conce dicatiors. Indicators (minimum of the cape of the	wo required
Type: Depth (in Pepth (in Remarks: No soil samp hazardous methodology of the pepth of the	les taken given reaterials within the distribution of the distribu	estrictions pues soil prevent rs: of one is requal Imagery (E	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck 37) Gauge or V	apply) ined Lea auna (B1 titic Plants Sulfide (Rhizosph of Reduc in Reduc is Surface Well Data	oves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (ction in Ti e (C7) a (D9)) Living Ro (C4)	Secondary Surface X Draina Dry-Sicots (C3) X Satura Stunte (C6) X Geom	Il cap. Addtionally, conce dicatiors. Indicators (minimum of the cape of the	wo required
Type: Depth (in Remarks: No soil samp hazardous m HYDROLO Wetland Hyc Primary Indic Surface William Water Ma Sediment Drift Depth Algal Mater Inon Depth Inundatio Sparsely Field Observing Time Perimanus Sediment Sedimen	les taken given reaterials within the description of the description o	estrictions pues soil prevent rs: of one is requal Imagery (Eave Surface)	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 37) Gauge or V (B8) Other (Exp	apply) ined Lea auna (B1 tic Plants Sulfide C Rhizosph of Reduc on Reduc Surface Well Data	aves (B9) 3) s (B14) Odor (C1 teres on I ced Iron (ction in Ti c (C7) a (D9) Remarks)) Living Ro (C4)	Secondary Surface X Draina Dry-Sicots (C3) X Satura Stunte (C6) X Geom	Il cap. Addtionally, conce dicatiors. Indicators (minimum of the cape of the	wo required
Type: Depth (in Remarks: No soil samp hazardous m HYDROLO Wetland Hyc Primary Indic Surface V High Water Mater M	les taken given reaterials within the description of the description o	estrictions pues soil prevent rs: of one is requal Imagery (Eave Surface of	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 37) Gauge or V (B8) Other (Exp	apply) ined Lea auna (B1 tic Plants Sulfide (Rhizosph of Reduc on Reduc Surface Well Data blain in R	determination (B9) 3) s (B14) Odor (C1 teres on lated Iron (ction in Ties (C7) a (D9) Remarks) nches):) _iving Rc C4) Illed Soils	Secondary Surface X Draina Dry-Sicots (C3) X Satura Stunte (C6) X Geom	Il cap. Addtionally, conce dicatiors. Indicators (minimum of the cape of the	wo required
Type:	les taken given reaterials within the description of the description o	estrictions pues soil prevent rs: If one is requal langery (Eave Surface (uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck 37) Gauge or V (B8) Other (Exp	apply) ined Lea auna (B1 titic Plants Sulfide C Rhizosph of Reduc n Reduc Surface Well Dats blain in R	oves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (ction in Ti e (C7) a (D9) Remarks) nches): _ nches): _) Living Ro C4) Illed Soils	Secondary Surface X Draina Dry-Sc Crayfi ots (C3) X Satura Stunte (C6) X FAC-N	Il cap. Addtionally, conce dicatiors. Indicators (minimum of the Soil Cracks (B6) age Patterns (B10) age Patterns (C8) ation Visible on Aerial Imaged or Stressed Plants (D1) arophic Position (D2) Neutral Test (D5)	wo required gery (C9)
Type:	les taken given reaterials within the distribution of the distribu	estrictions pues soil prevent rs: of one is requal Imagery (Eave Surface of	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck 37) Gauge or V (B8) Other (Exp	apply) ined Lea auna (B1 titic Plants Sulfide C Rhizosph of Reduc n Reduc Surface Well Dats blain in R	determination (B9) 3) s (B14) Odor (C1 teres on lated Iron (ction in Ties (C7) a (D9) Remarks) nches):) Living Ro C4) Illed Soils	Secondary Surface X Draina Dry-Sicots (C3) X Satura Stunte (C6) X Geom	Il cap. Addtionally, conce dicatiors. Indicators (minimum of the Soil Cracks (B6) age Patterns (B10) age Patterns (C8) ation Visible on Aerial Imaged or Stressed Plants (D1) arophic Position (D2) Neutral Test (D5)	ms of wo required
Type: Depth (in Remarks: No soil samp hazardous metalent primary Indic Surface Water Massed Mater	les taken given reaterials within the distribution of the distribu	estrictions pues soil prevent rs: of one is requested at Imagery (Eave Surface of Yes Yes Yes X	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck 37) Gauge or V (B8) Other (Exp	apply) ined Lea auna (B1 atic Plants Sulfide C Rhizosph of Reduc on Reduc Surface Well Data blain in R Depth (ii Depth (ii	oves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (ction in Ti c (C7) a (D9) Remarks) nches): _ nches): _ nches): _) Living Ro (C4) Illed Soils	Secondary Surface X Draina Dry-Si Crayfi ots (C3) X Satura Stunte (C6) X FAC-N Wetland Hydrolog	Il cap. Addtionally, conce dicatiors. Indicators (minimum of the Soil Cracks (B6) age Patterns (B10) age Patterns (C8) ation Visible on Aerial Imaged or Stressed Plants (D1) arophic Position (D2) Neutral Test (D5)	wo required
Type: Depth (in Remarks: No soil samp hazardous metalent primary Indic Surface Water Massed Mater	les taken given reaterials within the distribution of the distribu	estrictions pues soil prevent rs: of one is requested at Imagery (Eave Surface of Yes Yes Yes X	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck 37) Gauge or V (B8) Other (Exp	apply) ined Lea auna (B1 atic Plants Sulfide C Rhizosph of Reduc on Reduc Surface Well Data blain in R Depth (ii Depth (ii	oves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (ction in Ti c (C7) a (D9) Remarks) nches): _ nches): _ nches): _) Living Ro (C4) Illed Soils	Secondary Surface X Draina Dry-Si Crayfi ots (C3) X Satura Stunte (C6) X FAC-N Wetland Hydrolog	Il cap. Addtionally, conce dicatiors. Indicators (minimum of the Soil Cracks (B6) age Patterns (B10) age Patterns (C8) ation Visible on Aerial Imaged or Stressed Plants (D1) arophic Position (D2) Neutral Test (D5)	wo required
Type: Depth (in Remarks: No soil samp hazardous m HYDROLO Wetland Hyder Mater	les taken given reaterials within the distribution of the distribu	estrictions pues soil prevent rs: of one is requested at Imagery (Eave Surface of Yes Yes Yes X	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck 37) Gauge or V (B8) Other (Exp	apply) ined Lea auna (B1 atic Plants Sulfide C Rhizosph of Reduc on Reduc Surface Well Data blain in R Depth (ii Depth (ii	oves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (ction in Ti c (C7) a (D9) Remarks) nches): _ nches): _ nches): _) Living Ro (C4) Illed Soils	Secondary Surface X Draina Dry-Si Crayfi ots (C3) X Satura Stunte (C6) X FAC-N Wetland Hydrolog	Il cap. Addtionally, conce dicatiors. Indicators (minimum of the Soil Cracks (B6) age Patterns (B10) age Patterns (C8) ation Visible on Aerial Imaged or Stressed Plants (D1) arophic Position (D2) Neutral Test (D5)	wo required
Type: Depth (in Remarks: No soil samp hazardous m HYDROLO Wetland Hyder Surface Water Massed Mater Table Saturation Pr (includes cap Remarks: No soil samp hazardous m Hydrological Surface Water Table Saturation Pr (includes cap Remarks:	les taken given reaterials within the description of the description o	estrictions pues soil prevent rs: of one is requested at Imagery (Eave Surface (Yes Yes Yes X am gauge, m	uired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 37) Gauge or V (B8) Other (Exp	apply) ined Lea auna (B1 tic Plants Sulfide C Rhizosph of Reduc in Reduc Surface Well Data Data Data Depth (ii Depth (ii Depth (ii	determinatives (B9) 3) s (B14) Ddor (C1 leres on lettion in Tie (C7) a (D9) Remarks) nches): _ nches): _ nches): _ nches): _ , previous) Living Rc (C4) Illed Soils	Secondary Surface X Draina Dry-So Crayfic ots (C3) X Satura Stunte X FAC-N Wetland Hydrolog ions), if available:	Il cap. Addtionally, conce dicatiors. Indicators (minimum of the Soil Cracks (B6) age Patterns (B10) age Patterns (C8) ation Visible on Aerial Imaged or Stressed Plants (D1) arophic Position (D2) Neutral Test (D5)	wo required gery (C9)

ENG FORM 6116-7, SEP 2024 Midwest – Version 2.0

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PRIVACY ACT STATEMENT

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

Project/Site: Tri Cou	nty Solar			City/Co	unty: South E	Elgin, Kane		Sampling D	ate: <u>8/7/</u>	25
Applicant/Owner:	Greenwood St	ustainable Infra	structure, LLC			State:	IL	Sampling P	oint: U	IPLC-1
Investigator(s): Charl	les Plush and R	uthie Towns, L	abella Associate	es Section,	Township, Ra	nge: TWP: 4	ON RNG:	8E SEC: 1		
Landform (hillside, te	errace, etc.): Ele	evated terrace	above the drain	ageway	Local relief (d	concave, conve	ex, none):	Convex		
Slope (%): 2	Lat: 41.98443	36,		Long:	-88.274176			Datum: NAD8	33	
Soil Map Unit Name:	Orthents, loan	ny, 1 to 6 perce	nt slopes			١	WI classi	fication: None		
Are climatic / hydrolo	gic conditions of	on the site typic	cal for this time o	of year?	Yes x	No	(If no, exp	olain in Remar	ks.)	
Are Vegetation	, Soil x , o	r Hydrology	significantly	disturbed?	Are "Normal (Circumstances	" present?	Yes	No x	
Are Vegetation					(If needed, ex	plain any ansv	vers in Re	marks.)		_
SUMMARY OF I					ng point lo	cations, tra	nsects,	important	features	, etc.
Hydrophytic Vegeta	ition Present?	Yes	No_X	Is th	e Sampled A	rea				
Hydric Soil Present		Yes	No		in a Wetland?		/es	No_X	_	
Wetland Hydrology	Present?	Yes	No X						-	
Remarks:										
Entire site is a capp Area lacks wetland								and significat	ntly disturb	ed.
				leiole was de	terrifica to be	an uplanu na	Ditat.			
VEGETATION –	Use scientif	ic names of	•	Dominant	Indicator					
Tree Stratum	(Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance	e Test wo	rksheet:		
1.	`					Number of	Dominant	Species That		
2.						Are OBL, F	ACW, or F	AC:	1	(A)
3.								inant Species		
4. 5.						Across All S			2	(B)
5				=Total Cover	. ——	Percent of I Are OBL, F.		Species That	50.0%	(A/B)
Sapling/Shrub Strat	tum (Plot	size: 15 feet	t)	- rotal Govel		AIC OBE, I	AOW, 011	ΛΟ.	30.070	_(//(D)
Rhamnus catha				Yes	FAC	Prevalence	Index wo	orksheet:		
2.						Total 9	% Cover of	f: <u>M</u>	ultiply by:	_
3						OBL specie	es (x 1 =	0	_
4						FACW spec		x 2 =	0	_
5						FAC specie		0 x 3 =	30	_
Horb Stratum	(Diet eize:	5 feet)	10	=Total Cover	•	FACU specie		0 x 4 = x 5 =	360	_
Herb Stratum 1. Vicia sativa	(Plot size:	<u> 5 leet</u>)	80	Yes	FACU	Column Tot			390	— (B)
Bromus inermis				No	FACU		ice Index		3.90	_(b)
3. Dipsacus fulloni			5	No	FACU					_
4.						Hydrophyt	ic Vegeta	tion Indicator	s:	
5.						1 - Rap	id Test for	Hydrophytic \	/egetation	
6.								est is >50%		
7								dex is ≤3.0 ¹		
8.								Adaptations ¹ s or on a sepa		
9								ophytic Vegeta		•
10			90	=Total Cover	. ——		•	. , .		,
Woody Vine Stratur	n (Plot	size:)	Total Gover				oil and wetland sturbed or prob		/ must
1.			<u> </u>			Hydrophyt				
2.						Vegetation				
				=Total Cover		Present?	Yes	No	X	
Remarks: (Include	photo numbers	here or on a se	eparate sheet.)			•				

SOIL Sampling Point: UPLC-1

Profile Desc Depth	ription: (Describe t Matrix	o the depth		iment th k Feature		itor or c	onfirm the absence o	of indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
<u> </u>			()		- 7 -				
								-	
								-	
-									
¹ Type: C=Co	oncentration, D=Depl	etion, RM=R	Reduced Matrix, M	1S=Masl	ced Sand	d Grains	. ² Location	: PL=Pore Lining, M=Matr	ix.
Hydric Soil I								s for Problematic Hydric	•
Histosol	(A1)		Sandy Gle	ved Mati	ix (S4)			Manganese Masses (F12)	
	ipedon (A2)		Sandy Red		(0.)			Parent Material (F21)	
Black His			Stripped M)			Shallow Dark Surface (F2	2)
	n Sulfide (A4)		Dark Surfa		,			r (Explain in Remarks)	2)
				, ,	! (E4)			i (Explain in Remarks)	
	Layers (A5)		Loamy Mu	-					
2 cm Mu			Loamy Gle	-					
l ——	Below Dark Surface	(A11)	Depleted N						
Thick Da	rk Surface (A12)		Redox Dar		` '				
Iron Mon	osulfide (A18)		Depleted D	ark Surf	ace (F7)		³ Indicator	s of hydrophytic vegetation	n and
Sandy M	ucky Mineral (S1)		Redox Dep	ressions	(F8)		wetla	and hydrology must be pres	sent,
5 cm Mu	cky Peat or Peat (S3))					unles	s disturbed or problemation	: .
Restrictive I	_ayer (if observed):								
Type:	zayor (ii observea).								
Depth (in	ichee).		_				Hydric Soil Present	t? Yes	No
			_				riyuric Son Freseni	.: 163	
Remarks:									
								ill cap. Addtionally, conce	rns of
hazardous m	aterials within the soi	i prevented	soil sampling req	uired to	determin	e the pr	esence of hydric soil ir	ndications.	
HYDROLO	GY								
Wetland Hy	drology Indicators:								
_	cators (minimum of or		di abaak all that a	(برامم			Casanda	m. Indiaatara (minimum af t	ave required)
	•	ie is require			(DO)			ry Indicators (minimum of t	.wo requirea)
	Water (A1)		Water-Stai					ace Soil Cracks (B6)	
ı —	ter Table (A2)		Aquatic Fa					nage Patterns (B10)	
Saturatio			True Aqua					Season Water Table (C2)	
Water Ma			Hydrogen					fish Burrows (C8)	
Sedimen	t Deposits (B2)		Oxidized R			_		ration Visible on Aerial Ima	
	osits (B3)		Presence of	of Reduc	ed Iron (C4)	Stunt	ted or Stressed Plants (D1)
Algal Ma	t or Crust (B4)		Recent Iro	n Reduc	ion in Ti	lled Soil	s (C6) Geor	norphic Position (D2)	
Iron Dep	osits (B5)		Thin Muck	Surface	(C7)		FAC-	Neutral Test (D5)	
Inundation	on Visible on Aerial Im	nagery (B7)	Gauge or V	Vell Data	a (D9)				
Sparsely	Vegetated Concave	Surface (B8	Other (Exp	lain in R	emarks)				
Field Observ	vations:	`			•				
Surface Water		s	No_x_	Denth (ir	nches):				
	Dracent? Vec	<u>`</u>			_				
Water Table	rieseiit? Yes	<u>`</u>			nches):		Motlend Hadrata	my Dragont? Van	No. V
Saturation Pr		·	No <u>x</u>	Depth (II	nches):		wetiand Hydrolog	gy Present? Yes	No X
(includes cap									
Describe Red	corded Data (stream	gauge, mon	itoring well, aeria	photos,	previous	s inspec	tions), if available:		
Remarks:									
	ace on the west side	of the drain	nageway No evic	lence of	wetland	hydrolog	vr		
Licyatou tell	accontrate west side	or are drain	agoway. 140 evic	.51.00 01	cuanu	. ry ar oroț	J) ·		
I									

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PRIVACY ACT STATEMENT

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

Applicant/Owner: Greenwood Sustainable Infrastructure, LLC State: IL Sampling Point: Nuvestigator(s): Charles Plush and Ruthie Towns, Labella Associates Section, Township, Range: TWP: 40N RNG: 8E SEC: 1	WETD-1
Investigator(s): Charles Plush and Ruthie Towns, Labella Associates Section, Township, Range: TWP: 40N RNG: 8E SEC: 1	
Landform (hillside, terrace, etc.): Constructed drainageway Local relief (concave, convex, none): Concave	
Slope (%): Lat: 41.984257, Long: -88.271142 Datum: NAD83	
Soil Map Unit Name: Orthents, loamy, 1 to 6 percent slopes NWI classification: None	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)	
Are Vegetation , Soil x , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No	x
Are Vegetation, Soilx, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important feature	s, etc.
Hydrophytic Vegetation Present? Yes X No Is the Sampled Area	
Hydric Soil Present? Yes No within a Wetland? Yes x No	
Wetland Hydrology Present? Yes X No No	
Remarks: Entire site is a capped landfill, reclaimed through the Superfund program. Consequently, natural soils are problematic and significantly disturbly disturbly in the superfunding program.	hed
Determined to be a wetland based on dominance of hydrophytic vegetation and several indicators of wetland hydrology.	bcu.
VEGETATION – Use scientific names of plants.	
Absolute Dominant Indicator	
Tree Stratum (Plot size:) % Cover Species? Status Dominance Test worksheet: 1. Number of Dominant Species That	
1 Number of Dominant Species That 2. Are OBL, FACW, or FAC: 1	(A)
3 Total Number of Dominant Species	(/
4. Across All Strata: 1	(B)
5 Percent of Dominant Species That	
	<u>(A/B)</u>
Sapling/Shrub Stratum (Plot size:)	
1 Prevalence Index worksheet: 2. Total % Cover of: Multiply by:	
3. OBL species 0 x1 = 0	
4. FACW species 80 x 2 = 160	<u> </u>
5. FAC species 0 x 3 = 0	_
=Total Cover FACU species 15 x 4 = 60	
Herb Stratum (Plot size: 5 feet) UPL species 0 x 5 = 0	— _(D)
1. Phalaris arundinacea80YesFACWColumn Totals:95(A)2202. Ambrosia artemisiifolia10NoFACUPrevalence Index = B/A =2.32	(B)
3. Asclepias syriaca 5 No FACU	
4. Hydrophytic Vegetation Indicators:	
51 - Rapid Test for Hydrophytic Vegetation	า
6. X 2 - Dominance Test is >50%	
7 X_3 - Prevalence Index is ≤3.0 ¹	
84 - Morphological Adaptations ¹ (Provide s	
	,
10Problematic Hydrophytic Vegetation ' (Ex	. ,
Woody Vine Stratum (Plot size:) be present, unless disturbed or problematic.	Jy musi
1 Hydrophytic	
2. Vegetation	
=Total Cover Present? Yes X No	

SOIL Sampling Point: WETD-1

	-	to the dept				tor or o	confirm the absence o	of indicators.)	
Depth	Matrix			x Featur		. 2			
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks	
_									
¹ Type: C=Co	ncentration, D=De	oletion, RM=	Reduced Matrix, I	MS=Mas	ked Sand	l Grains		: PL=Pore Lining, M=Mat	
Hydric Soil I	ndicators:						Indicator	s for Problematic Hydric	c Soils³:
Histosol (A1)		Sandy Gle	yed Mat	rix (S4)		Iron-N	Manganese Masses (F12)	ı
Histic Epi	pedon (A2)		Sandy Re	dox (S5)				Parent Material (F21)	
Black His	tic (A3)		Stripped N	1atrix (S6	3)		Very	Shallow Dark Surface (F2	2)
	Sulfide (A4)		Dark Surfa	` '			Other	r (Explain in Remarks)	
	Layers (A5)		Loamy Mu						
2 cm Mud	,		Loamy Gle						
	Below Dark Surface	e (A11)	Depleted I	•	,				
	rk Surface (A12)		Redox Da		. ,		2		
	osulfide (A18)		Depleted I					s of hydrophytic vegetatio	
	ucky Mineral (S1)		Redox De	pression	s (F8)			nd hydrology must be pre	
5 cm Mud	cky Peat or Peat (S	3)					unles	s disturbed or problemation	D.
Restrictive L	.ayer (if observed)):							
Type:									
Depth (in	ches):						Hydric Soil Present	:? Yes	No
	•	•				_	sturbance on the landfi resence of hydric soil ir	ill cap. Addtionally, concendicatiors.	erns of
HYDROLO	GY								
	Irology Indicators	:							
_	ators (minimum of		ed: check all that	apply)			Secondar	ry Indicators (minimum of	two required)
	Vater (A1)	•	Water-Sta		ves (B9)			ce Soil Cracks (B6)	• •
	er Table (A2)		Aquatic Fa	auna (B1	3)			age Patterns (B10)	
Saturation	n (A3)		True Aqua					Season Water Table (C2)	
Water Ma	arks (B1)		Hydrogen	Sulfide (Odor (C1))	Crayf	ish Burrows (C8)	
Sediment	Deposits (B2)		Oxidized F	Rhizosph	eres on L	iving R	oots (C3) x Satur	ation Visible on Aerial Ima	agery (C9)
x Drift Depo	osits (B3)		Presence	of Reduc	ced Iron (C4)	x Stunt	ed or Stressed Plants (D1)
Algal Mat	or Crust (B4)		Recent Iro	n Reduc	tion in Til	led Soil	s (C6) <u>x</u> Geon	norphic Position (D2)	
Iron Depo	osits (B5)		Thin Muck	Surface	(C7)		X FAC-	Neutral Test (D5)	
	n Visible on Aerial	0) (, <u>—</u>	Well Dat	a (D9)				
X Sparsely	Vegetated Concav	e Surface (B	8)Other (Exp	olain in F	Remarks)				
Field Observ	vations:								
Surface Water	er Present? Y	es	No <u>x</u>	Depth (i	′ –				
Water Table I		es	No	Depth (i					
Saturation Pr		es	No <u>x</u>	Depth (i	nches): _		Wetland Hydrolog	gy Present? Yes X	No
(includes cap									
Describe Rec	corded Data (strean	n gauge, mo	nitoring well, aeria	ıı photos	, previous	sinspec	ctions), if available:		
Remarks:									
		sely vegetate	e surface. Water o	confined	in bound	ary by c	check dam downgradiel	nt. Evidence of drift depo	sits in upper

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PRIVACY ACT STATEMENT

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

Project/Site: Tri County Solar	City/Co	unty: South E	Elgin, Kane	Sampling Da	ate: <u>8/7/</u>	8/7/25	
Applicant/Owner: Greenwood Sustainable Infrastructure, LLC	;		State:II	L Sampling Po	oint: U	PLD-1	
Investigator(s): Charles Plush and Ruthie Towns, Labella Associa	ates Section,	Township, Ra	nge: TWP: 40N F	RNG: 8E SEC: 1			
Landform (hillside, terrace, etc.): Hillside west of drainageway		Local relief (d	concave, convex, n	one): Convex			
Slope (%): 3 Lat: 41.984224,	Long:	-88.271163		Datum: NAD8	3		
Soil Map Unit Name: Orthents, loamy, 1 to 6 percent slopes			NWI o	classification: None			
Are climatic / hydrologic conditions on the site typical for this time	of year?	Yes x	No (If n	no, explain in Remark	(s.)		
Are Vegetation, Soilx_, or Hydrologysignificantl	y disturbed?	Are "Normal (Circumstances" pre	esent? Yes	No x	_	
Are Vegetation, Soilx_, or Hydrologynaturally p	roblematic?	(If needed, ex	plain any answers	in Remarks.)			
SUMMARY OF FINDINGS – Attach site map show	ing samplir	ng point lo	cations, transe	ects, important f	features	, etc.	
Hydrophytic Vegetation Present? Yes No X	ls th	e Sampled A	rea				
Hydric Soil Present? Yes No		in a Wetland?		NoX_			
Wetland Hydrology Present? Yes No X			_				
Remarks:	nragram Can	acquants, not	ural acila ara proble	amatia and aignifican	tly diaturb	ad	
Entire site is a capped landfill, reclaimed through the Superfund	program. Cons	sequenity, nat	urai soiis are proble	ematic and significan	ily disturbe	ea.	
VEGETATION – Use scientific names of plants.				-			
Absolute		Indicator	Daminana Ta				
Tree Stratum (Plot size:) % Cove 1.	r Species?	Status	Dominance Tes	st worksneet: ninant Species That			
2.			Are OBL, FACW	•	0	(A)	
3.			Total Number of	f Dominant Species		_	
4.			Across All Strata	a: _	1	(B)	
5	=Total Cover	. ——	Percent of Dom Are OBL, FACW	inant Species That	0.0%	(A/B)	
Sapling/Shrub Stratum (Plot size:)			AIC OBE, I AOV	, or i Ao.	0.070	_(//(D)	
1			Prevalence Ind	ex worksheet:			
2.			Total % Co	ver of: Mu	ıltiply by:	_	
3			OBL species	0 x1=	0	_	
4			FACW species_ FAC species	0 x 2 = 0 x 3 =	0	_	
·	=Total Cover		FACU species	100 x 4 =	400	_	
Herb Stratum (Plot size: 5 feet)	_		UPL species	0 x 5 =	0	_	
1. Lolium perenne 95	Yes	FACU	Column Totals:		400	(B)	
2. Asclepias syriaca 5	No	FACU	Prevalence Ir	ndex = B/A =	4.00	_	
3. 4.			Hydrophytic V	egetation Indicators			
5.			1 ' ' '	est for Hydrophytic V			
6.	_			nce Test is >50%	Ü		
7.				nce Index is ≤3.0 ¹			
8				ogical Adaptations ¹ (I emarks or on a sepa			
9				emarks or on a sepa Hydrophytic Vegeta		,	
10	=Total Cover			dric soil and wetland		•	
Woody Vine Stratum (Plot size:)	_			ess disturbed or probl		rinust	
1			Hydrophytic				
2	-Tatal Cavar		Vegetation	Vaa Na	V		
	=Total Cover		Present?	Yes No_			
Remarks: (Include photo numbers here or on a separate sheet.)						

SOIL Sampling Point: UPLD-1

Depth	Matrix	to the dept		x Featur		itor or c	confirm the absence of	mulcators.)				
(inches)	Color (moist)	%	Color (moist)	% " Catul	Type ¹	Loc ²	Texture	Remarks				
			, ,									
												
¹ Type: C=Ce	oncentration, D=Dep	letion, RM=	Reduced Matrix, l	MS=Mas	ked Sand	d Grains	s. ² Location:	PL=Pore Lining, M=Matrix.				
Hydric Soil	Indicators:							for Problematic Hydric Soil	ls³:			
Histosol	(A1)		Sandy Gle	eyed Mat	rix (S4)		Iron-M	anganese Masses (F12)				
Histic Ep	ipedon (A2)		Sandy Re	dox (S5)			Red P	arent Material (F21)				
Black Hi	Black Histic (A3)			/latrix (Se	3)		Very S	hallow Dark Surface (F22)				
Hydrogen Sulfide (A4) Dark Surface				ace (S7)			Other	(Explain in Remarks)				
Stratified	Layers (A5)		Loamy Μι	icky Min	eral (F1)							
2 cm Mu	ck (A10)		Loamy Gl	eyed Ma	trix (F2)							
Depleted	l Below Dark Surface	e (A11)	Depleted	Matrix (F	3)							
Thick Da	rk Surface (A12)		Redox Da	rk Surfac	ce (F6)							
Iron Mor	osulfide (A18)		Depleted	Dark Sur	face (F7)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present					
Sandy M	lucky Mineral (S1)		Redox De	pression	s (F8)		wetland hydrology must be present,					
5 cm Mu	cky Peat or Peat (S3	3)					unless	disturbed or problematic.				
Restrictive	Layer (if observed):											
Type:												
Depth (ir	nches):						Hydric Soil Present?	Yes N	lo			
Remarks:												
No soil samp	oles taken given restr	rictions put i	n place by the lan	downer	prohibitin	g soil di	sturbance on the landfill	cap. Addtionally, concerns o	f			
hazardous m	naterials within the so	oil prevented	d soil sampling re	quired to	determin	e the pr	resence of hydric soil inc	dicatiors.				
HYDROLO	GY											
Wetland Hy	drology Indicators:											
Primary India	cators (minimum of o	ne is require	ed; check all that	apply)			Secondary	Indicators (minimum of two re	equired)			
Surface	Water (A1)		Water-Sta	ined Lea	ives (B9)		Surfac	e Soil Cracks (B6)				
High Wa	ter Table (A2)		Aquatic Fa				Drainage Patterns (B10)					
Saturation	on (A3)		True Aqua	atic Plant	s (B14)		Dry-Se	eason Water Table (C2)				
Water M	arks (B1)		Hydrogen	Sulfide (Odor (C1)	Crayfis	sh Burrows (C8)				
Sedimer	t Deposits (B2)		Oxidized I	Rhizosph	eres on l	_iving R	oots (C3) Satura	tion Visible on Aerial Imagery	(C9)			
Drift Dep	osits (B3)		Presence	of Redu	ced Iron (C4)	Stunte	d or Stressed Plants (D1)				
Algal Ma	t or Crust (B4)		Recent Iro	n Reduc	tion in Ti	lled Soil	s (C6) Geom	orphic Position (D2)				
Iron Dep	osits (B5)		Thin Muck	Surface	(C7)		FAC-N	leutral Test (D5)				
Inundation	on Visible on Aerial II	magery (B7)) Gauge or	Well Dat	a (D9)							
Sparsely	Vegetated Concave	Surface (B	8)Other (Ex	plain in F	Remarks)							
Field Obser	vations:											
Surface Wat	er Present? Ye	es	No x	Depth (i	nches):							
Water Table	Present? Ye	s	No	Depth (i	nches):							
Saturation P	resent? Ye	es	No x	Depth (i	nches):		Wetland Hydrology	Present? YesN	lo X			
(includes car	oillary fringe)											
Describe Re	corded Data (stream	gauge, mo	nitoring well, aeria	al photos	, previous	s inspec	ctions), if available:					
Damarani												
Remarks:	side adjacent to drair	naneway N	lo evidence of by	drology								
Licvated HIII	nao aujaoeni io urali	lagoway. IN	io evidence di riyo	arology.								

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PRIVACY ACT STATEMENT

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

Project/Site: Tri Coi	unty Solar			City/Co	ounty: South E	≟lgin, Kane		ampling D	oate: 8/7	/25
Applicant/Owner:	Greenwood	Sustainable Inf	frastructure, LLC	,		State:	IL Sa	ampling P	oint: L	JPLV-1
Investigator(s): Cha	rles Plush and	Ruthie Towns	, Labella Associa	ates Section,	Township, Ra	inge: TWP: 40N	RNG: 8E S	SEC: 1		
Landform (hillside, t	terrace, etc.):	Constructed Dr	rainageway		Local relief (d	concave, convex,	none): Con	icave		
Slope (%): 0	· -		<u> </u>	Lona:	_			um: NAD8	33	
Soil Map Unit Name	_		cent slopes				/I classificati			
Are climatic / hydrol		•	·	of year?	Yes x	No (If				
Are Vegetation	_			-		Circumstances" p				,
		_							NO X	<u> </u>
Are Vegetation		_			•	cplain any answer		•		
SUMMARY OF	FINDINGS	- Attach si	te map show	ing sampli	ng point lo	cations, trans	sects, im	portant	features	s, etc.
Hydrophytic Veget	ation Present?) Vac	No X	le th	ne Sampled A	roa				
Hydric Soil Presen		Yes			in a Wetland		5	No_X		
Wetland Hydrology		Yes X	No	"""	a vvotiana			<u> </u>	-	
Remarks:	<u>, </u>									
Entire site is a cap	ped landfill, re	claimed throug	h the Superfund	program. Cor	sequenlty, nat	tural soils are prol	blematic and	d significa	ntly disturb	oed.
Sample in construc	cted drainagev	vay exhibiting n	nultiple seconda	ry indicators of	wetland hydro	ology, however, th	ne area lack	ed hydrop	hytic vege	tation.
VEGETATION -	– Use scien	tific names o	of plants.							
			Absolut	e Dominant	Indicator					
Tree Stratum	(Plot size:)	% Cove	r Species?	Status	Dominance T	est worksh	eet:		
1.						Number of Do			•	(4)
2. 3.					· ——	Are OBL, FAC			0	(A)
4.						Total Number Across All Stra		t Species	2	(B)
5.				_				oios That		(D)
·				=Total Cove	r	Percent of Do			0.0%	(A/B)
Sapling/Shrub Stra	atum (Pl	ot size:)	_		,	,			
1.						Prevalence In	ndex works	heet:		
2.						Total % 0	Cover of:	М	ultiply by:	
3.				_		OBL species	0	_ x 1 =	0	
						FACW species		_ x 2 =	30	_
5						FAC species	15	_ x 3 =	45	_
Hards Objections	/Dist = !===	5.5t)		_=Total Cove	r	FACU species		_ ×4=	240	
Herb Stratum 1. Dipsacus fullor	(Plot size: _	5 feet)) 40	Yes	FACU	UPL species Column Totals	0 s: 90	_ x 5 = (A)	315	(B)
Dipsacus fullor Phalaris arundi			<u>40</u> 15	No	FACW	_	Index = B/	_ ` ′	3.50	(B)
3. Solidago spp.	macca		20	Yes	TAOW	ricvalence	IIIdex - Di		0.00	
4. Asclepias syria	nca		10	No	FACU	Hydrophytic '	Vegetation	Indicator	's:	
5. Rumex crispus			15	No	FAC		Test for Hyd			
6. Melilotus indicu	ıs		10	No	FACU		ance Test is			
7.						3 - Preval	ence Index	is ≤3.0 ¹		
8				_		· '	ological Ada		`	
9.							Remarks or	•		,
							tic Hydrophy			•
10					r	1 11	hydria aail a	nd watlan	d hydrolog	y must
	(D)		110	=Total Cove	1	¹ Indicators of I				
Woody Vine Stratu		ot size:)	_= I otal Cove	ı	be present, un				
Woody Vine Stratu		ot size:)	=Total Cove		be present, un				
Woody Vine Stratu)	= Total Cove		be present, un		ed or prob		

SOIL Sampling Point: UPLV-1

Depth	Matrix	, to the deb		x Featur		01 0	onfirm the absence of	i maioatora.j		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
	, ,		, ,							
									_	
									—	
									—	
									—	
1							2			
	oncentration, D=De	pletion, RM=	Reduced Matrix, l	MS=Mas	ked Sand	d Grains		PL=Pore Lining, M=Matrix.		
Hydric Soil			Sandy Cla	wod Mot	riv (C1)			s for Problematic Hydric Soils ³ :		
Histosol	(AT) pipedon (A2)		Sandy Gle Sandy Re					Manganese Masses (F12) Parent Material (F21)		
Black Hi			Stripped N					Shallow Dark Surface (F22)		
	n Sulfide (A4)		Dark Surfa		3)			(Explain in Remarks)		
	Layers (A5)		Loamy Mu	, ,	eral (F1)			(Explain in Remaine)		
2 cm Mu			Loamy Gl	-						
	l Below Dark Surfac	ce (A11)	Depleted	•	, ,					
	rk Surface (A12)	` ,	Redox Da	-	-					
	osulfide (A18)		Depleted		, ,		³ Indicators of hydrophytic vegetation and wetland hydrology must be present,			
Sandy M	lucky Mineral (S1)		Redox De	pression	s (F8)		wetland hydrology must be present,			
5 cm Mu	cky Peat or Peat (S	3)					unless disturbed or problematic.			
Restrictive	Layer (if observed):								
Type:										
Depth (ir	nches):						Hydric Soil Present	? Yes No_		
Remarks:						-				
								ll cap. Addtionally, concerns of		
hazardous m	naterials within the s	soil prevente	d soil sampling re	quired to	determin	e the pr	esence of hydric soil in	dicatiors.		
HYDROLC	GY									
-	drology Indicators									
Primary Indi	cators (minimum of	one is requi						y Indicators (minimum of two requir	<u>ed)</u>	
	Water (A1)		Water-Sta		` '			ce Soil Cracks (B6)		
	ter Table (A2)		Aquatic Fa	-	-			age Patterns (B10)		
Saturation			True Aqua					eason Water Table (C2)		
	arks (B1)		Hydrogen					sh Burrows (C8)		
	t Deposits (B2)		Oxidized F			_		ation Visible on Aerial Imagery (C9)	1	
	oosits (B3) it or Crust (B4)		Presence Recent Iro					ed or Stressed Plants (D1) norphic Position (D2)		
	osits (B5)		Thin Muck			ileu Soil	· · ·	Neutral Test (D5)		
	on Visible on Aerial	Imagery (B7					1 70-1	vedital Test (D3)		
	Vegetated Concav				, ,					
Field Obser		(-	(,		1			
Surface Wat		es	No x	Depth (i	nches):					
Water Table		es	No		nches):		1			
Saturation P		es	No x		nches):		Wetland Hydrolog	y Present? Yes X No		
(includes ca							<u> </u>	<u> </u>	_	
	corded Data (strear	n gauge, mo	onitoring well, aeria	al photos	, previous	s inspec	tions), if available:			
Remarks:	A 4-1 201 1 - 21			ana e c	1 .			tone of the t		
Sample poin	t taken within the co	onstructed d	rainageway, upgra	idlent of	a cneck o	ıam. Se	everal secondary indica	tors confrimed.		

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PRIVACY ACT STATEMENT

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

Project/Site: Tri Co	unty Solar			City	County: Sou	ith Elgin, Kane	е	Sa	mpling D	ate: 8/7	725
Applicant/Owner:	Greenwood	Sustainable Inf	frastructure, LL	.C		Sta	ate: II	Sa	mpling P	oint: l	UPLV-2
Investigator(s): Cha	rles Plush and	Ruthie Towns,	, Labella Assoc	ciates Secti	on, Township,	Range: TW	VP: 40N F	RNG: 8E SI	EC: 1		
Landform (hillside, t	terrace, etc.):	Constructed Dr	ainageway		Local relie	ef (concave, c	convex, n	one): Cond	ave		
Slope (%): 0	•		<u> </u>	Lo	 ng: -88.26979	•			m: NAD8	33	
Soil Map Unit Name	_		cent slopes		g. <u></u>		NWI	classification			
Are climatic / hydrol				ne of year?	Yes x	No		o, explain i			
Are Vegetation	_			-		nal Circumstar					,
		_								NO A	<u>`</u>
Are Vegetation						l, explain any			-		
SUMMARY OF	FINDINGS	- Attach sit	te map sho	wing sam	pling point	locations,	, transe	ects, imp	ortant	feature	s, etc.
Hydrophytic Veget	ation Present?) Vac	No X	1.	s the Sample	d Aroa					
Hydric Soil Presen		Yes			vithin a Wetla		Yes	1	No_X		
Wetland Hydrology		Yes X	No						<u>.</u>	•	
Remarks:	<u> </u>										
Entire site is a cap	ped landfill, re	claimed througl	h the Superfun	d program. (Consequenity,	natural soils a	are proble	ematic and	significa	ntly disturl	bed.
Sample in constru	cted drainagev	vay exhibiting n	nultiple second	ary indicators	s of wetland hy	drology, how	ever, the	area lacke	d hydrop	hytic vege	etation.
VEGETATION -	- Use scien	tific names c	of plants.								
			Absolu		ant Indicato	or					
Tree Stratum	(Plot size:)	% Cov	er Specie	s? Status	_		st workshe			
1. 2.						_		inant Spec	es That	0	(4)
3.						_		/, or FAC:	٠.		(A)
4.							lumber of All Strata	Dominant	Species	2	(B)
5.						_		nant Speci	es That		(
-				=Total Co	over			/, or FAC:	es mai	0.0%	(A/B)
Sapling/Shrub Stra	atum (PI	ot size:)								<u> </u>
1						Preval	ence Ind	ex worksh	eet:		
2.							otal % Co	ver of:	М	ultiply by:	
3						OBL sp	_	0	x 1 =	0	
							species_	0	_ x 2 =	0	
5				T-4-1 0		FAC sp	-	15	x 3 =	45	
Herb Stratum	(Plot size:	5 feet)		=Total Co	over	UPL sp	species _	95 0	x4= x5=	380	
Dipsacus fullor	` -		50	Yes	FACU		n Totals:	110	(A)	425	— (B)
Rumex crispus			15	No	FAC	—	_	ndex = B/A	- ` ′	3.86	(D)
3. Solidago altiss			30	Yes		—					
4. Melilotus indicu	IS		15	No	FACU	Hydro	phytic Ve	egetation I	ndicator	s:	
5.						1-	Rapid Te	est for Hydr	ophytic \	/egetation	1
6						2 -	Dominar	nce Test is	>50%		
7						_		ice Index is			
							•	ogical Adap		`	
9.						— I		emarks or o	•		′
						_		Hydrophyt	-	, ,	
10			110	-Total Ca		1					rv must
10.	ım (DI	ot sizo:	110	=Total Co	over		tors of hy				,,
10. Woody Vine Stratu		ot size:)	=Total Co	over	be pres	sent, unle	dric soil an ss disturbe			
10. Woody Vine Stratu		ot size:)	=Total Co	over	be pres	sent, unle				
10. Woody Vine Stratu)	=Total Co		be pres	sent, unle		d or prob		

SOIL Sampling Point: UPLV-2

Depth	Matrix	, to the deb		x Featur		01 0	onfirm the absence of	i maioatora.j		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
	, ,		, ,							
									_	
									—	
									—	
									—	
1							2			
	oncentration, D=De	pletion, RM=	Reduced Matrix, l	MS=Mas	ked Sand	d Grains		PL=Pore Lining, M=Matrix.		
Hydric Soil			Sandy Cla	wod Mot	riv (C1)			s for Problematic Hydric Soils ³ :		
Histosol	(AT) pipedon (A2)		Sandy Gle Sandy Re					Manganese Masses (F12) Parent Material (F21)		
Black Hi			Stripped N					Shallow Dark Surface (F22)		
	n Sulfide (A4)		Dark Surfa		3)			(Explain in Remarks)		
	Layers (A5)		Loamy Mu	` ,	eral (F1)			(Explain in Remaine)		
2 cm Mu			Loamy Gl	-						
	l Below Dark Surfac	ce (A11)	Depleted	•	, ,					
	rk Surface (A12)	` ,	Redox Da	-	-					
	osulfide (A18)		Depleted		, ,		³ Indicators of hydrophytic vegetation and wetland hydrology must be present,			
Sandy M	lucky Mineral (S1)		Redox De	pression	s (F8)		wetland hydrology must be present,			
5 cm Mu	cky Peat or Peat (S	3)					unless disturbed or problematic.			
Restrictive	Layer (if observed):								
Type:										
Depth (ir	nches):						Hydric Soil Present	? Yes No_		
Remarks:						-				
								ll cap. Addtionally, concerns of		
hazardous m	naterials within the s	soil prevente	d soil sampling re	quired to	determin	e the pr	esence of hydric soil in	dicatiors.		
HYDROLC	GY									
-	drology Indicators									
Primary Indi	cators (minimum of	one is requi						y Indicators (minimum of two requir	<u>ed)</u>	
	Water (A1)		Water-Sta		` '			ce Soil Cracks (B6)		
	ter Table (A2)		Aquatic Fa	-	-			age Patterns (B10)		
Saturation			True Aqua					eason Water Table (C2)		
	arks (B1)		Hydrogen					sh Burrows (C8)		
	t Deposits (B2)		Oxidized F			_		ation Visible on Aerial Imagery (C9)	1	
	oosits (B3) it or Crust (B4)		Presence Recent Iro					ed or Stressed Plants (D1) norphic Position (D2)		
	osits (B5)		Thin Muck			ileu Soil	· · ·	Neutral Test (D5)		
	on Visible on Aerial	Imagery (B7					1 70-1	vedital Test (D3)		
	Vegetated Concav				, ,					
Field Obser		(-	(,		1			
Surface Wat		es	No x	Depth (i	nches):					
Water Table		es	No		nches):		1			
Saturation P		es	No x		nches):		Wetland Hydrolog	y Present? Yes X No		
(includes ca							<u> </u>	<u> </u>	_	
	corded Data (strear	n gauge, mo	onitoring well, aeria	al photos	, previous	s inspec	tions), if available:			
Remarks:	A 4-1 201 1 - 21			ana e c	1 .			tone of the t		
Sample poin	t taken within the co	onstructed d	rainageway, upgra	idlent of	a cneck o	ıam. Se	everal secondary indica	tors confrimed.		

The public reporting burden for this collection of information, OMB Control Number 0710-0024, is estimated to average 30 minutes per response, including the timefor reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR REQUEST TO THE ABOVE EMAIL.

PRIVACY ACT STATEMENT





APPENDIX C

Photo Log





Upper end of Wetland A looking downgradient



Upper section of Wetland A looking downgradient



Middle section of Wetland A



End of Wetland A where it flows into Ditch 1





Southwest corner of Wetland A looking upgradient



Culvert Out where Ditch 1 begins



UPLA-1 Datapoint Location



Lower end of Ditch 1 looking upgradient





Lower end of Ditch 1 looking downgradient, connects to Wetland A in background and continues off-site



Wetland B



WETB-1 Datapoint Location

UPLB-1 Datapoint Location





WETB-2 Datapoint Location



UPLB-3 Datapoint Location, looking upgradient



UPLB-2 Datapoint Location, Wetland B in photo-left



Wetland C, looking downgradient from culvert outflow





Wetland C looking upgradient at culvert outflow



Wetland D



UPLC-1 Datapoint Location



Wetland D, looking downgradient, sparsely vegetated surface





Check dam at southern boundary of Wetland D



UPLV-1 Datapoint Location



UPLD-1 Datapoint location, Wetland D in photo left

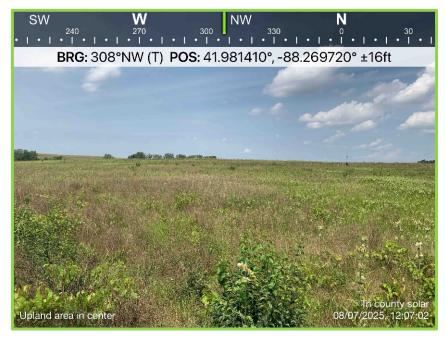


UPLV-2 Datapoint Location





UPLV-2 Datapoint location



BRG: 231°SW (T) POS: 41.983207°, -88.269332° ±16ft

Tri country solar.

Upland representative

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Representative upland habitat at center of Study Area within capped landfill.