

WETLAND AND STREAM DELINEATION REPORT

Oneida Wind 4949 Forest Avenue, Oneida, New York LaBella Project No. 2213066

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1.1 PROJECT DESCRIPTION

Borrego Solar Systems (Client) retained LaBella Associates, D.P.C. (LaBella) to perform a wetland and stream delineation for the Oneida Wind Project. For the purposes of the wetland and stream delineation, the Study Area is defined as an 80-acre area consisting of a portion of two tax parcels (Parcel IDs: 46.-2-42.3 and 53.-2-32.142) located at 4949 Forest Avenue, Oneida, Madison County, NY. Please refer to Appendix A, Figure 1 for the Study Area location and boundary. The geographic coordinates of the approximate Study Area center are: 43.04736, -75.66568 (NAD83). Wetland and stream delineation field work was performed on September 7 and 8, 2021.

1.2 PURPOSE

This report was prepared for the purpose of obtaining concurrence from the United States Army Corps of Engineers (USACE)–Buffalo District and the New York State Department of Environmental Conservation (NYSDEC) Region 7 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 Federal Waters of the United States (WOUS) encompassing wetlands and streams, New York State Article 24 Freshwater Wetlands (State wetlands), and Article 15 State-classified 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 streams that were delineated. This document is intended to provide the information required to support a Jurisdictional Determination with the USACE-Buffalo District, or a 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) Madison County, New York Soil Survey (USDA-NRCS, 2021); 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; NYSDEC Freshwater Wetland shapefiles; NYSDEC Environmental Resource Mapper (NYSDEC, 2019); and NYSDEC Stream Classification shapefiles. Vascular plant names follow nomenclature found in the USDA PLANTS database (USDA, 2021). Wetland indicator status for vegetative species was determined by reference to the National Wetland Plant List (Lichvar et al., 2018). 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 delineation within the Study Area on September 7 and 8, 2021, 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: Northcentral and Northeast Region, Version 2.0 (USACE, 2012).

Wetland and stream boundaries were defined in the field with sequentially-numbered pink surveyor's flagging or pink pin flags. Each flag was digitally recorded using a sub-foot Global Positioning System unit. Data and observations were collected from both wetland and upland data points within the Study Area. These data points were recorded on routine USACE Wetland Determination Data Forms (Appendix B).

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

The USACE has jurisdiction of WOUS under section 404 of the Clean Water Act (CWA) (40 Code of Federal Regulations [CFR] 230) (CFR, 2010).

The Freshwater Wetlands Act (FWA) (Article 24 and Title 23 of Article 71 of the Environmental Conservation Law [ECL]) gives the NYSDEC jurisdiction over State wetlands and a 100-foot adjacent area. Article 24 of the FWA requires the NYSDEC to map all State-protected wetlands (generally 12.4 acres or greater) to allow landowners and other interested parties a means to determine where State jurisdictional wetlands exist.

Under Article 15 of the ECL (Protection of Waters), the NYSDEC has jurisdiction over any activity that disturbs the bed or banks of protected streams. A protected stream is any stream, or particular portion of a stream, that has been assigned by the NYSDEC any of the following classifications or standards: AA, AA(t), A, A(t), A(ts), B, B(t), B(ts), C(t), or C(ts) (6 NYCRR Part 701). Additional NYSDEC stream classifications include: C and D.

3.0 PHYSICAL CHARACTERISTICS AND RESOURCES

3.1 PHYSIOGRAPHY

The Project is located in the Lake State Fruit, Truck Crop, and Dairy (LRR R), Ontario-Erie Plain and Finger Lakes Region (MLRA 172). The Study Area topography consists of a moderate slope with higher elevations along the eastern boundary of the Study Area that slopes westward towards lower elevations. Land cover within the Study Area consists of undeveloped forests and old field communities. Elevations within the Study Area range from approximately 1,180 feet above mean sea level (AMSL) to approximately 1,335 feet AMSL.

3.2 SOILS

The Soil Survey of Madison County, New York and NRCS Web Soil Survey indicates there are three soil map units within the Project Study Area, as outlined in Table 1.

Table 1. Soil Map units within the Study Area

NRCS Soil Map Unit	Map Unit Symbol	Drainage Class	Hydric Soil?	Hydric Rating (%)
Aurora silt loam, 3 to 8 percent slopes	AuB	Moderately well drained	No	0
Farmington-Wassaic-Rock outcrop complex, sloping	FGC	Somewhat excessively drained	No	0
Wassaic silt loam, 3 to 8 percent slopes	WmB	Moderately well drained	No	0

Source: USDA, NRCS, 1973; Soil Survey Staff, 2021

The Hydric Soil ratings outlined in Table 1 and the Web Soil Survey map provided in Appendix D, indicate there are no soil map units that contain hydric components within the Study Area.

3.3 HYDROLOGY

The Study Area is located in the Oneida watershed (USGS Hydrologic Unit code 04140202). The source of surface hydrology for the Study Area is precipitation and runoff. The City of Oneida receives an average of 46.79 inches of precipitation annually (NRCC, 2020).

4.0 AGENCY RESOURCES

4.1 USFWS NATIONAL WETLAND INVENTORY

USFWS NWI mapping showed no wetlands within the Study Area (refer to Appendix A, Figure 2). The closest NWI-mapped wetland is located approximately 2,905 feet northwest of the Study Area.

4.2 NYSDEC FRESHWATER WETLANDS AND PROTECTED STREAMS

NYSDEC freshwater wetland mapping showed no State-mapped wetlands within the Study Area (refer to Appendix A, Figure 3). The closest State-mapped wetland is located approximately 10,500 feet northeast of the Study Area. NYSDEC mapping showed no streams within the Study Area (refer to Appendix A, Figure 3). The closest stream is located approximately 1,320 feet northwest of the Study Area.

4.3 FEMA 100-YEAR FLOOD ZONES

FEMA mapping showed no 100-year flood zones associated with the Study Area (refer to Appendix A, Figure 4). The closest flood zone is located approximately 9,255 feet northwest of the Study Area.

5.0 RESULTS

LaBella field staff did not identify wetlands or streams within the Study Area (See Appendix A, Figure 5). The Study Area consists of open field and forested upland habitats. These habitats lack wetland hydrology and hydric soils.

5.1 UPLANDS

Upland communities within the Study Area primarily consist of open field and forested areas. Dominant species in the upland areas consisted of cat grass (*Dactylis glomerata*), smooth brome (*Bromus inermis*), sugar maple (*Acer saccharum*), white ash (*Fraxinus americana*), downy hawthorn (*Crataegus mollis*), tatarian honeysuckle (*Lonicera tatarica*), wrinkleleaf goldenrod (*Solidago rugosa*), wild basil (*Clinopodium vulgare*), bird's-foot trefoil (*Lotus corniculatus*), purple starthistle (*Centaurea calcitrapa*), American elm (*Ulmus americana*), red hickory (*Carya ovalis*), red trillium (*Trillium erectum*), and summer grape (*Vitis aestivalis*).

Data Forms, provided in Appendix B, summarize the observed conditions adequate to characterize all uplands within the Study Area.

5.2 WETLANDS AND STREAMS

No wetlands or stream were identified within the Study Area. Please refer to Data Forms provided in Appendix B and Figure 5 provided in Appendix A.

6.0 CONCLUSIONS

LaBella did not identify any jurisdictional wetlands or streams within the Study Area. All of the areas surveyed were found to be dominated by upland plants, were underlain by upland soils, and showed no signs of wetland hydrology or stream morphology. In addition, there were no ditches or other manmade water conveyances that might be considered jurisdictional by regulators. However, the Study Area is subject to verification by the USACE-Buffalo District.

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 Morgan Melekos at 802-595-3918.

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8.0 REFERENCES

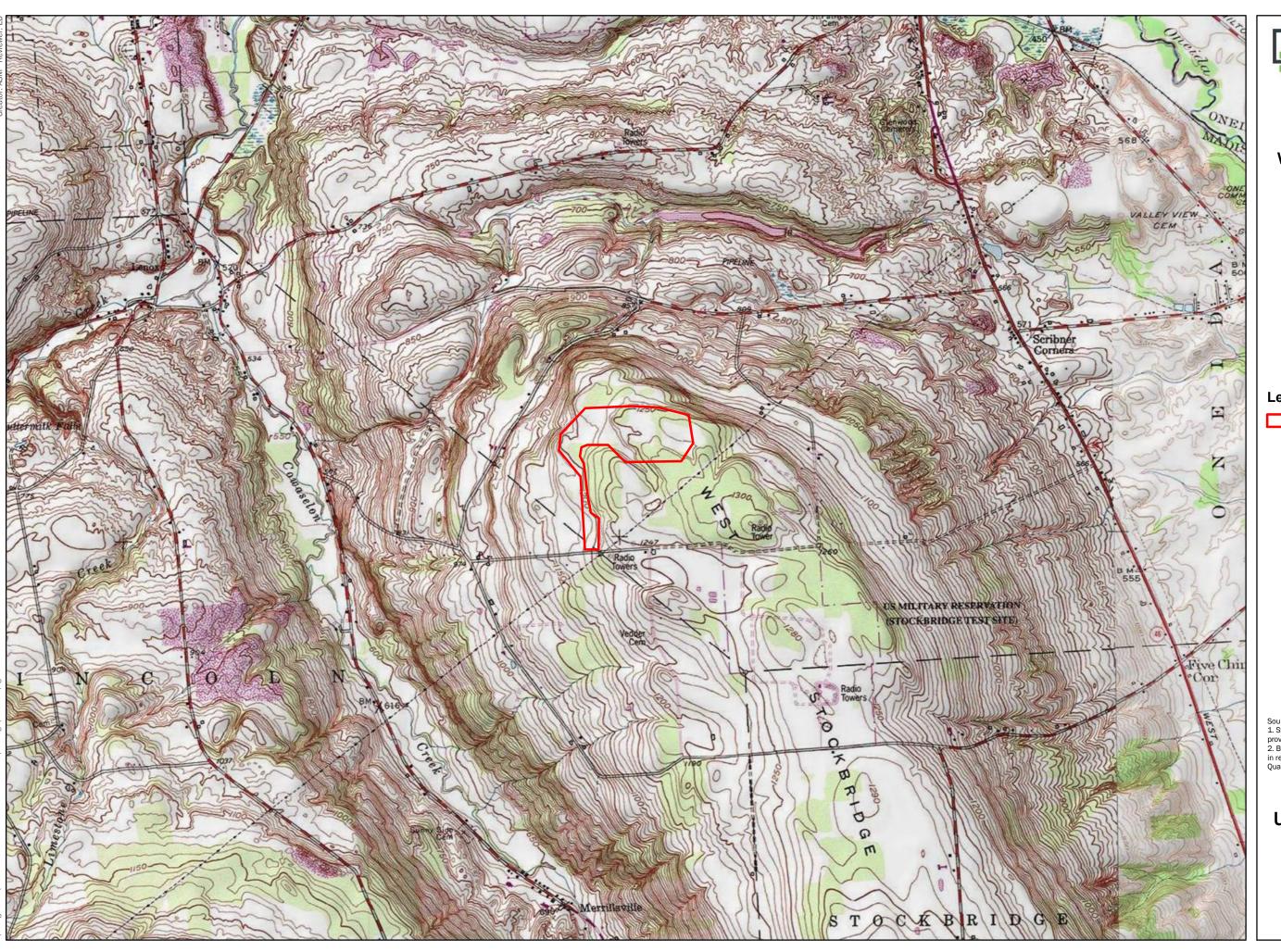
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USDA-NRCS. 2018. Field Indicators of Hydric Soils in the United States, Version 8.2. L. M. Vasilas, G. W. Hurt, and J. F. Berkowitz (eds.). USDA, NRCS in cooperation with the National Technical Committee for Hydric Soils.



APPENDIX A

FIGURES

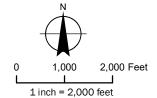




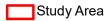
Borrego Solar

Wetland and Stream Delineation Report

> **Oneida Wind Forest Avenue** Oneida, NY



Legend



Sources:

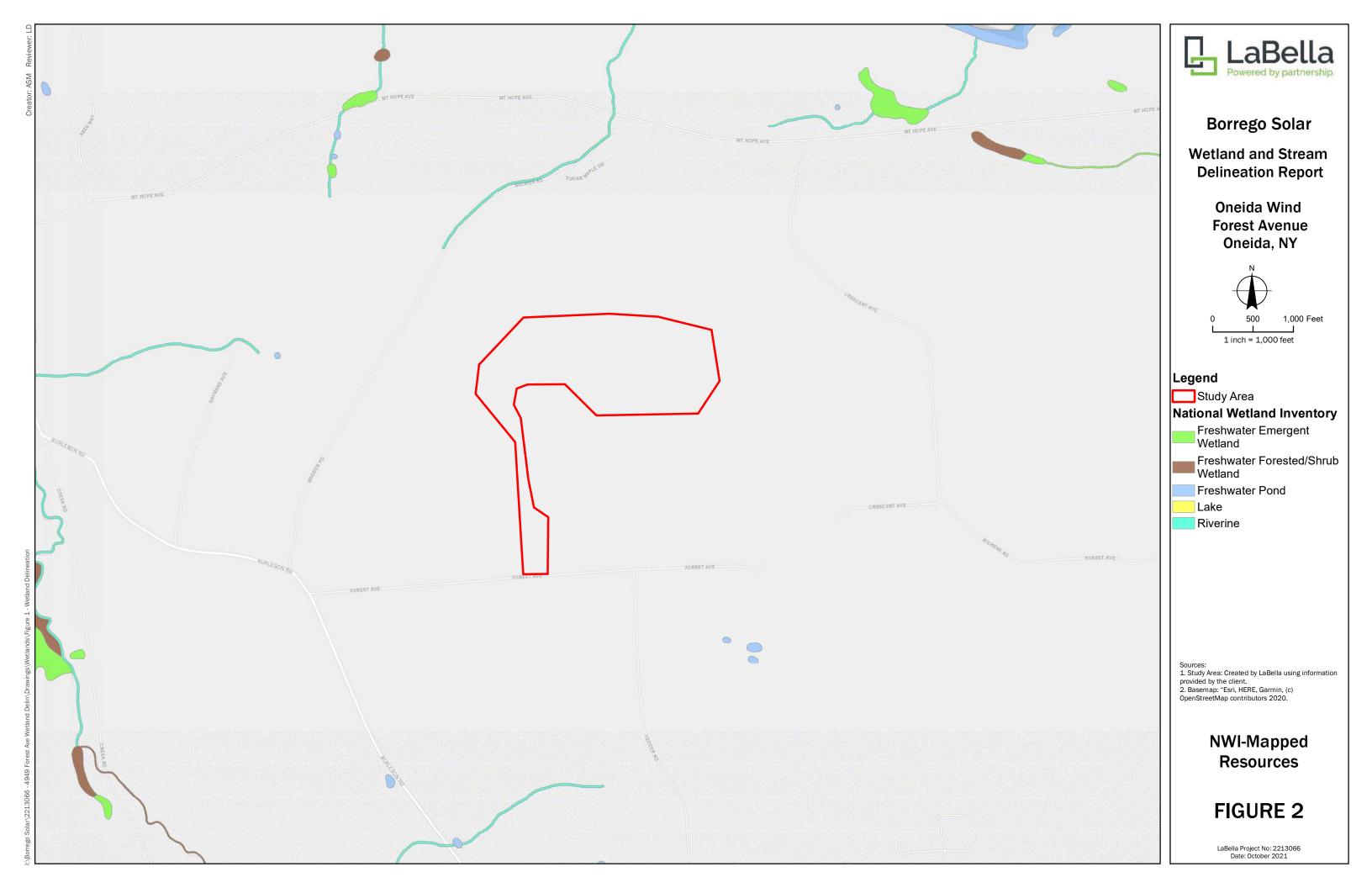
1. Study Area: Created by LaBella using information provided by the client.

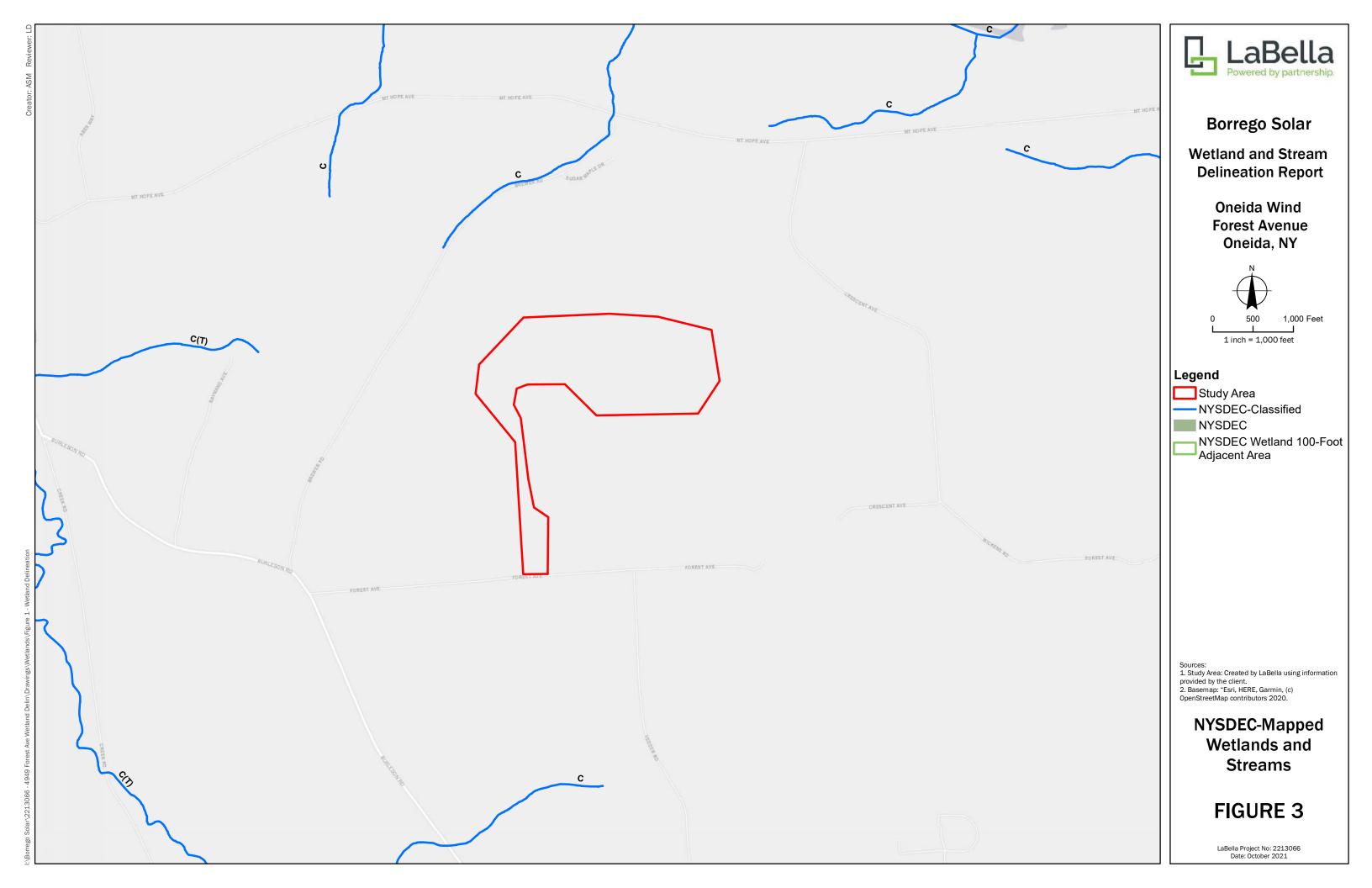
2. Basemap: ESRI USA Topo Map (Updated: 2020) in reference to USGS Topographic Oneida Quadrangle (1993).

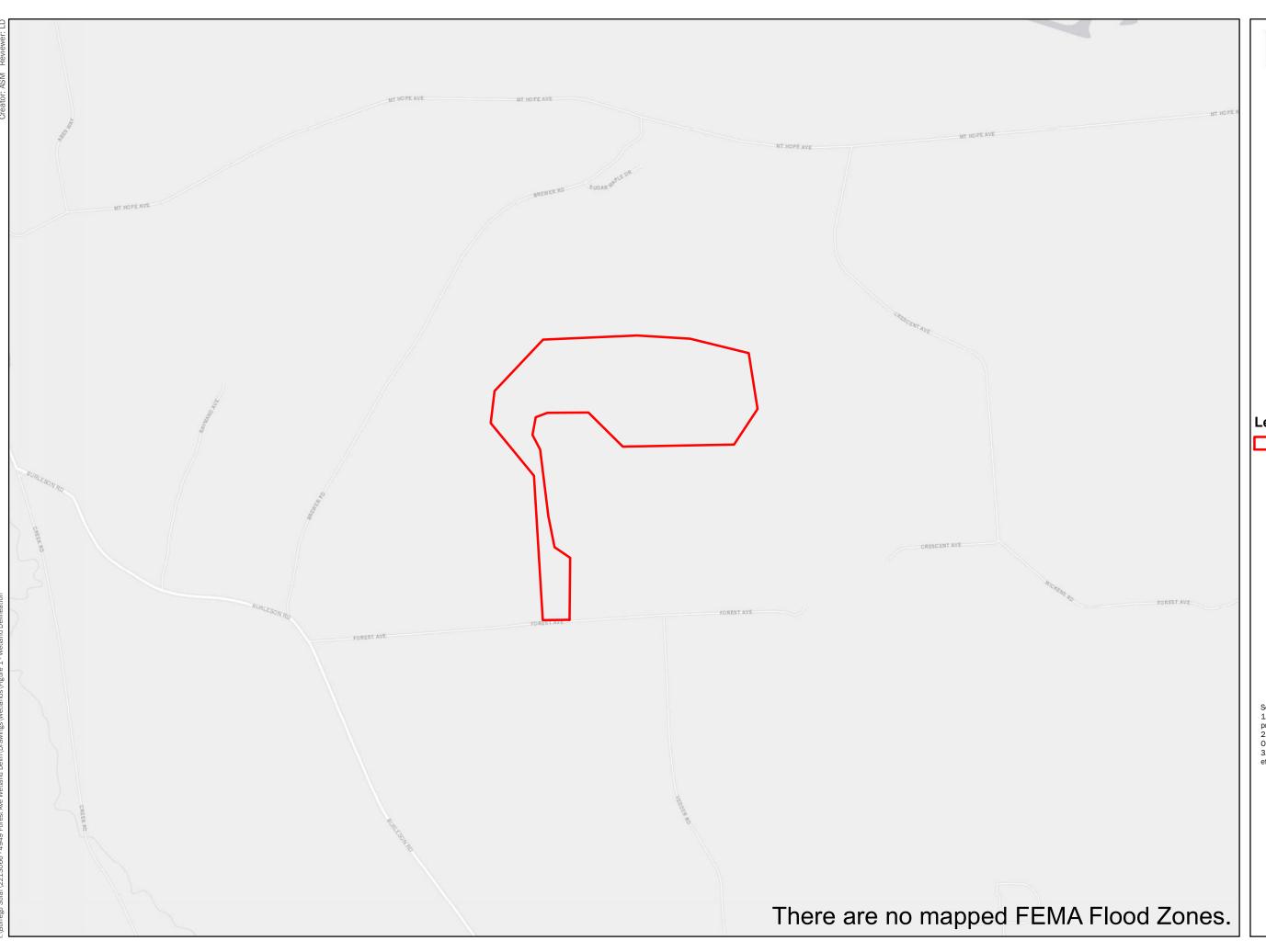
USGS Site Location

FIGURE 1

LaBella Project No: 2213066 Date: October 2021





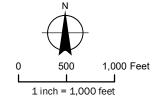




Borrego Solar

Wetland and Stream Delineation Report

> **Oneida Wind Forest Avenue** Oneida, NY



Legend

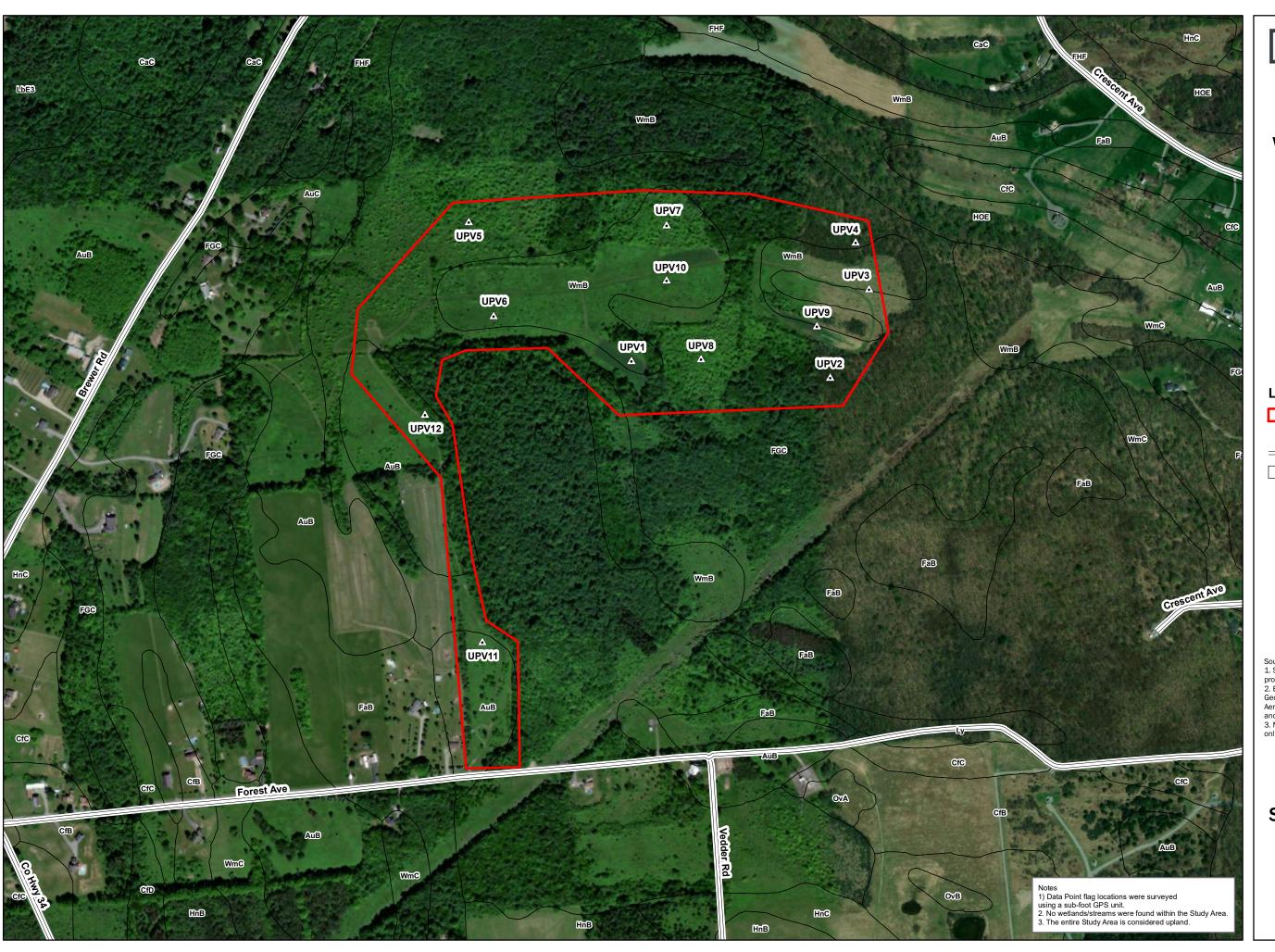


Sources:
1. Study Area: Created by LaBella using information provided by the client.
2. Basemap: "Esri, HERE, Garmin, (c) OpenStreetMap contributors 2020.
3. FEMA Flood Zone: Firm Panel 360405B, effective on September 4, 1985.

FEMA Flood Zones

FIGURE 4

LaBella Project No: 2213066 Date: October 2021

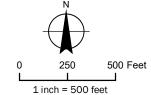




Borrego Solar

Wetland and Stream Delineation Report

> **Oneida Wind Forest Avenue** Oneida, NY



Legend

Study Area

♠ Data Point Location

=== Road

Soil

Sources:
1. Study Area: Created by LaBella using information

1. Study Area. Oreated by Labella using information provided by the client.
2. Basemap: Esri, DigitalGlobe, GeoEye, Earthstar, Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and GIS User Community 2018,

3. Mapped soil data were obtained from the NRCS online Soil Data (soildatamart.nrcs.usda.gov).

Wetland and **Stream Delineation** Survey

FIGURE 5

LaBella Project No: 2213066 Date: October 2021



APPENDIX B

Data Forms

Project/Site: Oneida Wind	City/County: Oneida/Oneida Sampling Date: 9/7/21
Applicant/Owner: Borrego Solar	State: NY Sampling Point: UPV1
Investigator(s): MM	Section, Township, Range:
• • • •	relief (concave, convex, none): none Slope %: 0-2
Subregion (LRR or MLRA): LRR R Lat: 43.047072	Long: -75.665309 Datum: NAD83
Soil Map Unit Name: Wassaic silt loam, 3-8%	NWI classification:
•	
Are climatic / hydrologic conditions on the site typical for this time of year? Are Vegetation , Soil , or Hydrology significantly disturb	
Are Vegetation , Soil , or Hydrology naturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	In the Sampled Area
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No X Yes No X	Is the Sampled Area within a Wetland? Yes No _X_
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
(27,5,4,1,4,1,5,1,5	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (E	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (Carlos and Parameter (B2)	
Sediment Deposits (B2) Oxidized Rhizospheres of Processes of Reduced Ires	
Drift Deposits (B3) Presence of Reduced Iro Algal Mat or Crust (B4) Recent Iron Reduction in	
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Thin Muck Surface (C7)	• • • • • • • • • • • • • • • • • • • •
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	:
Saturation Present? Yes No X Depth (inches):	
(includes capillary fringe)	<u></u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections), if available:
	•
Remarks:	

VEGETATION – Use scientific names of plants. Sampling Point: UPV1 Absolute Dominant Indicator 30) Tree Stratum (Plot size: % Cover Species? Status **Dominance Test worksheet: Number of Dominant Species** 2. That Are OBL, FACW, or FAC: (A) **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species Sapling/Shrub Stratum (Plot size: 15 0 x 1 = 1. FACW species 0 x 2 = 2. FAC species 0 x 3 = 0FACU species 85 x 4 = UPL species 0 x 5 = 4. 5. Column Totals: 85 340 6. Prevalence Index = B/A = 4.00 **Hydrophytic Vegetation Indicators:** 7. 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: 5 2 - Dominance Test is >50% Dactylis glomerata 60 FACU 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting 15 Galium sp. data in Remarks or on a separate sheet) 3. Trifolium repens 15 FACU 4. Oxalis sp. 5 No Problematic Hydrophytic Vegetation¹ (Explain) 5. Plantago lanceolata 10 FACU No ¹Indicators of hydric soil and wetland hydrology must be 6. present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 105 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 15) Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic 3. Vegetation Present? Yes No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point UPV1

		the depth n				ator or c	onfirm the absence of i	ndicators.)
Depth (inches)	Matrix Color (moist)	% Co	olor (moist)	x Feature %	Type ¹	Loc ²	Toyturo	Remarks
(Inches)	Color (moist)	70 CC	JIOI (IIIOISI)	-70	туре	LUC	Texture	Remarks
0-18	10YR 4/2	100					Loamy/Clayey	
_	_	_	· —			_	_	
		— —						
								 -
		— —						
						<u></u>		
		— —		· 				
		— —		. —				
	oncentration, D=Deple	tion, RM=Rec	Juced Matrix, N	MS=Mas	ked San	d Grains.		Pore Lining, M=Matrix.
Hydric Soil I			= 1	2((20)	·		Problematic Hydric Soils ³ :
Histosol		'	Polyvalue Belo		ce (58) (LRK K,		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	•	\	· MI DA		rie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf					Relow Surface (S3) (LRR K, L, R)
	n Sulfide (A4) I Layers (A5)		High Chroma S Loamy Mucky			-		Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L)
	Below Dark Surface		Loamy Gleyed			K K, ∟,		anese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri		12)			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		- 6)			dic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					t Material (F21)
	edox (S5)		Redox Depress					ow Dark Surface (F22)
	Matrix (S6)							lain in Remarks)
	rface (S7)							,
	,							
³ Indicators of	hydrophytic vegetation	on and wetlan	d hydrology m	ust be pr	resent, u	nless dis	turbed or problematic.	
	ayer (if observed):		_	_	_			
Type:						ļ		
Depth (in	nches):		_			ļ	Hydric Soil Present?	Yes No_X_
Remarks:			<u> </u>					

Project/Site: Oneida Wind	City/County: Oneida/Oneida Sampling Date: 9/7/21				
Applicant/Owner: Borrego Solar	State: NY Sampling Point: UPV2				
Investigator(s): MM	Section, Township, Range:				
	relief (concave, convex, none): none Slope %: 0-2				
Subregion (LRR or MLRA): LRR R Lat: 43.046713	Long: -75.661143 Datum: NAD83				
Soil Map Unit Name: Farmington-Wassaic rock outcrop complex, sloping	NWI classification:				
Are climatic / hydrologic conditions on the site typical for this time of year? Are Vegetation, Soil, or Hydrology significantly disturb	Yes X No (If no, explain in Remarks.) bed? Are "Normal Circumstances" present? Yes X No				
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing samp					
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X	Is the Sampled Area within a Wetland? Yes No _X If yes, optional Wetland Site ID:				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves (E					
High Water Table (A2) Aquatic Fauna (B13) And Branch (A5)	Moss Trim Lines (B16)				
Saturation (A3) Marl Deposits (B15) Multiple (B15) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor (I					
Sediment Deposits (B2)Oxidized Rhizospheres of Drift Deposits (B3) Presence of Reduced Iro					
Drift Deposits (B3) Presence of Reduced Iro Algal Mat or Crust (B4) Recent Iron Reduction in	<u> </u>				
Iron Deposits (B5) Thin Muck Surface (C7)	• • • • • • • • • • • • • • • • • • • •				
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No _X Depth (inches):					
Water Table Present? Yes No X Depth (inches):					
Saturation Present? Yes No X Depth (inches):					
(includes capillary fringe)	Testand Hydrology Freschi: Fes No _X				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:				
Remarks:					

VEGETATION – Use scientific names of plants. Sampling Point: UPV2 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** 75 **FACW** 1. Ulmus americana Yes **Number of Dominant Species** 2. 15 FACU Acer saccharum No That Are OBL, FACW, or FAC: (A) 10 3. Carya ovalis No **FACU Total Number of Dominant** Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 25.0% (A/B Prevalence Index worksheet: 100 =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15 **OBL** species x 2 = 150 FACU **FACW** species 75 1. Acer saccharum Yes 2. Fraxinus americana FACU FAC species 0 x 3 = 0 3. **FACU** species 55 x 4 = 220 4. **UPL** species 0 x 5 = 5. Column Totals: 130 (A) 370 6. Prevalence Index = B/A = 2.85 7. **Hydrophytic Vegetation Indicators:** 25 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5) 2 - Dominance Test is >50% Trillium erectum FACU 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations¹ (Provide supportir 2. data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation¹ (Explain) 5. ¹Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diamet 9. at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardles: 5 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 15 Woody vines - All woody vines greater than 3.28 ft ii height. Hydrophytic 3. Vegetation Present? Yes No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point UPV2

		the depth n				ator or c	onfirm the absence of in	ndicators.)
Depth	Matrix			x Feature		12	Taratrana	Demonto
(inches)	Color (moist)	<u>%</u> Co	olor (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 4/3	100					Loamy/Clayey	
		— —						
_	_		_		-	_	_	
								
		— —						
		— —		· ——				
¹ Type: C=Co	ncentration, D=Deple	tion RM=Re	duced Matrix. I	MS=Mas	ked San	d Grains	² I ocation: PL=I	Pore Lining, M=Matrix.
Hydric Soil II		tion, raw	14004 1114,	<u>///</u>	Nou Su	<u>a 0.a</u>		Problematic Hydric Soils ³ :
Histosol (ř	Polyvalue Belo	ow Surfa	ce (S8) (I RR R.		(A10) (LRR K, L, MLRA 149B)
	ipedon (A2)	 -	MLRA 149B		30 (00) (.	Li,		ie Redox (A16) (LRR K, L, R)
Black His		,	Thin Dark Surf	•	(LRR R	MLRA		y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			-		Surface (S9) (LRR K, L)
	Below Dark Surface		Loamy Gleyed			· · · · · · · ·	·	inese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri		-,			Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		- 6)			dic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					: Material (F21)
	edox (S5)		Redox Depress					ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		-,			ain in Remarks)
	face (S7)							,
	,							
³ Indicators of	hydrophytic vegetatic	on and wetlan	d hydrology m	ust be pr	resent, u	nless dis	turbed or problematic.	
	ayer (if observed):						·	
Type:	rock					ļ		
Depth (in	iches).	4				ļ	Hydric Soil Present?	Yes No _X_
							1194110 00111 1000	100
Remarks:								

Project/Site: Oneida Wind	City/County: Oneida/Oneida Sampling Date: 9/7/21				
Applicant/Owner: Borrego Solar	State: NY Sampling Point: UPV3				
Investigator(s): MM	Section, Township, Range:				
Landform (hillside, terrace, etc.): hilltop Local	relief (concave, convex, none): none Slope %: 0-2				
Subregion (LRR or MLRA): LRR R Lat: 43.048055	Long: -75.660266 Datum: NAD83				
Soil Map Unit Name: Wassaic silt loam, 3-8%	NWI classification:				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrologysignificantly disturb					
Are Vegetation , Soil , or Hydrology naturally problema					
SUMMARY OF FINDINGS – Attach site map showing sam					
Hydrophytic Vegetation Present? Yes	Is the Sampled Area within a Wetland? Yes No _X If yes, optional Wetland Site ID:				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves (B42)					
High Water Table (A2) Aquatic Fauna (B13) Aut B procise (B45)	Moss Trim Lines (B16)				
Saturation (A3) — Marl Deposits (B15) Water Marks (B1) — Hydrogen Sulfide Oder (Dry-Season Water Table (C2)				
Water Marks (B1)Hydrogen Sulfide Odor (Sediment Deposits (B2) Oxidized Rhizospheres of					
Drift Deposits (B3) Presence of Reduced Iro					
	n in Tilled Soils (C6) Geomorphic Position (D2)				
Iron Deposits (B5) Thin Muck Surface (C7)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No X Depth (inches):	:				
Water Table Present? Yes No X Depth (inches):	:				
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes No _X				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:				
Remarks:					
Normand.					

VEGETATION – Use scientific names of plants. Sampling Point: UPV3 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** 1. **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: 0 (A) 3. **Total Number of Dominant** Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 0.0% (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: =Total Cover Sapling/Shrub Stratum (Plot size: 15 **OBL** species x 1 = 0 1. **FACW** species x 2 = 0 2. FAC species 25 x 3 = 75 3. **FACU** species 70 x 4 = 280 4. **UPL** species 20 x 5 = 100 5. Column Totals: 115 (A) 455 6. Prevalence Index = B/A = 3.96 7. **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: 2 - Dominance Test is >50% Bromus inermis 60 **FACU** 3 - Prevalence Index is ≤3.01 Asclepias syriaca 20 UPL 4 - Morphological Adaptations¹ (Provide supportir 2. No data in Remarks or on a separate sheet) 3. 20 FAC Prunella vulgaris No 4 Solidago rugosa 5 FAC Problematic Hydrophytic Vegetation¹ (Explain) No Galium aparine 10 5. No **FACU** ¹Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diamet 9. at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardles: 115 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 15 Woody vines - All woody vines greater than 3.28 ft ii height. 2. Hydrophytic 3. Vegetation Present? Yes No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point UPV3

		o the depth n				ator or c	onfirm the absence of in	ndicators.)
Depth (inches)	Matrix Color (moist)	% Co	olor (moist)	x Feature %	Type ¹	Loc ²	Toyturo	Remarks
(Inches)	Color (moist)	70 CC	JIOI (ITIOISI)	70	туре	LOC	Texture	Remarks
0-18	10YR 4/3	100					Loamy/Clayey	
_	_	_			-	_		
		— —						
		— —		·				
		— —						
		— —		·				
	oncentration, D=Deple	tion, RM=Red	Juced Matrix, N	MS=Mas	ked San	d Grains.		Pore Lining, M=Matrix.
Hydric Soil I		ſ	-	O(-	(20) (·		Problematic Hydric Soils ³ :
Histosol		r	Polyvalue Belo		ce (S8) (LRK K,		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	•	\	MIDA		rie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf					y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4) I Layers (A5)		High Chroma S Loamy Mucky			-		Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L)
	Below Dark Surface		Loamy Gleyed			Λ Λ, ∟ _j		anese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri		12)			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		. 6)			dic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					t Material (F21)
	edox (S5)		Redox Depress					ow Dark Surface (F22)
	Matrix (S6)							lain in Remarks)
	rface (S7)							,
	,							
³ Indicators of	hydrophytic vegetation	on and wetland	d hydrology m	ust be pr	resent, u	nless dis	turbed or problematic.	
	ayer (if observed):					ļ		
Type:						ļ		
Depth (in	nches):					ľ	Hydric Soil Present?	Yes No_X_
Remarks:								

Project/Site: Oneida Wind	City/County: Oneida/Oneida Sampling Date: 9/7/21				
Applicant/Owner: Borrego Solar	State: NY Sampling Point: UPV4				
Investigator(s): MM	Section, Township, Range:				
• • • •	relief (concave, convex, none): none Slope %: 0-2				
Subregion (LRR or MLRA): LRR R Lat: 43.048781	Long: -75.660512 Datum: NAD83				
·					
Soil Map Unit Name: Farmington-Wassaic rock outcrop complex, sloping	NWI classification:				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrologysignificantly disturb	bed? Are "Normal Circumstances" present? Yes X No				
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing samp	pling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area				
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X_				
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.)					
L HYDROLOGY					
	Secondary Indicators (minimum of two required)				
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)				
Surface Water (A1) Water-Stained Leaves (E	Surface Soil Cracks (B6) Drainage Patterns (B10)				
High Water Table (A2) High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor (C					
Sediment Deposits (B2) Oxidized Rhizospheres of					
Drift Deposits (B3) Presence of Reduced Iro					
Algal Mat or Crust (B4) Recent Iron Reduction in					
Iron Deposits (B5) Thin Muck Surface (C7)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	ks) Microtopographic Relief (D4)				
? Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No X Depth (inches):	. <u></u> _				
Water Table Present? Yes No _X Depth (inches):					
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No X				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:				
Remarks:					
Remarks.					

VEGETATION – Use scientific names of plants. Sampling Point: UPV4 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet: FACW** 1. Ulmus americana Yes **Number of Dominant Species** 2. 10 FACU Acer saccharum No That Are OBL, FACW, or FAC: (A) 5 3. Carya ovalis No **FACU Total Number of Dominant** Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 50.0% (A/B Prevalence Index worksheet: 95 =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15 **OBL** species 80 x 2 = 160 1. **FACW** species 2. Fraxinus americana FACU FAC species 0 x 3 = 0 3. **FACU** species 35 x 4 = 4. **UPL** species 0 x 5 = 5. Column Totals: 115 (A) 300 6. Prevalence Index = B/A = 2.61 7. **Hydrophytic Vegetation Indicators:** 20 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5) 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations¹ (Provide supportir 2. data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation¹ (Explain) 5. ¹Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diamet 9. at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardles: =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 15 Woody vines - All woody vines greater than 3.28 ft ii height. Hydrophytic 3. Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point UPV4

		the depth r				ator or c	onfirm the absence of in	ndicators.)
Depth (inches)	Matrix Color (moist)	% C	Color (moist)	x Feature %	Type ¹	Loc ²	Toyturo	Remarks
(ITICITES)	Color (moist)	-76 C	olor (moist)	-/0	туре	LOC	Texture	Remarks
0-12	10YR 4/3	100					Loamy/Clayey	
_		_	_		•	_		
		— —						
								
		— —						
		— —						
¹ Typ <u>e: C=Co</u>	ncentration, D=Deple	tion, RM=Re	duced Matrix, N	MS <u>=Mas</u>	ked San	d G <u>rains</u> .	Location: PL=	Pore Lining, M=Matrix.
Hydric Soil I								Problematic Hydric Soils ³ :
Histosol ((A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,		(A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B	i)	•			rie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA	149B) 5 cm Muck	y Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	311) (LR !	R K, L)	Polyvalue E	Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark S	Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Manga	anese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	ix (F3)			Piedmont F	Floodplain Soils (F19) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	- 6)		Mesic Spoo	dic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	; (F7)		Red Parent	t Material (F21)
	edox (S5)		Redox Depress		8)			ow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Expl	lain in Remarks)
Dark Sur	face (S7)							
		<u>n and wetlar</u>	id hydrology m	ust be pr	resent, u	nless dis	turbed or problematic.	
	.ayer (if observed):					ļ		
Type:	rock					ļ		
Depth (in	iches):	12				ļ	Hydric Soil Present?	Yes NoX_
Remarks:								
Romana.								

Project/Site: Oneida Wind	City/County: Oneida/Oneida Sampling Date: 9/7/21				
Applicant/Owner: Borrego Solar	State: NY Sampling Point: UPV5				
Investigator(s): MM	Section, Township, Range:				
• ,,	relief (concave, convex, none): convex Slope %: 0-4				
Subregion (LRR or MLRA): LRR R Lat: 43.049305	Long: -75.668827 Datum: NAD83				
Soil Map Unit Name: Farmington-Wassaic rock outcrop complex, sloping	NWI classification:				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrologysignificantly disturb					
Are Vegetation, Soil, or Hydrology naturally problems					
SUMMARY OF FINDINGS – Attach site map showing sam					
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X	Is the Sampled Area within a Wetland? Yes No _X If yes, optional Wetland Site ID:				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves (B					
High Water Table (A2) Aquatic Fauna (B13) And Deposits (B45)	Moss Trim Lines (B16)				
Saturation (A3) — Marl Deposits (B15) Water Marks (B1) — Hydrogen Sulfide Oder (Dry-Season Water Table (C2)				
Water Marks (B1)Hydrogen Sulfide Odor (Sediment Deposits (B2) Oxidized Rhizospheres of					
Drift Deposits (B3) — Oxidized Kritzospheres (Carlotte Control of Carlotte Control of Carlotte Carlot					
	in Tilled Soils (C6) Geomorphic Position (D2)				
Iron Deposits (B5) Thin Muck Surface (C7)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	• • • • • • • • • • • • • • • • • • • •				
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No X Depth (inches):	:				
Water Table Present? Yes No X Depth (inches):					
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes No X				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:				
Remarks:					
Remarks.					

VEGETATION – Use scientific names of plants. Sampling Point: UPV5 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** FACU 1. Carya ovalis 10 Yes **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: 0 (A) 3. **Total Number of Dominant** Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 0.0% (A/B Prevalence Index worksheet: 10 =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15 **OBL** species x 1 = 0 FACU **FACW** species x 2 = 0 1. Cretaegus mollis Yes 2. Lonicera tatarica FACU FAC species 0 x 3 = 0 3. **FACU** species 130 x 4 = 520 4. **UPL** species 10 x 5 = 5. Column Totals: 140 (A) 570 6. Prevalence Index = B/A = 4.07 7. **Hydrophytic Vegetation Indicators:** 60 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5) 2 - Dominance Test is >50% Bromus inermis 55 FACU 3 - Prevalence Index is ≤3.01 Fragaria sp. 5 No 4 - Morphological Adaptations¹ (Provide supportir 2. data in Remarks or on a separate sheet) 3. 10 UPL Clinopodium vulgare 4. Problematic Hydrophytic Vegetation¹ (Explain) Galium aparine 5 FACU 5. No ¹Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diamet 9. at breast height (DBH), regardless of height. 10. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardles: 75 =Total Cover of size, and woody plants less than 3.28 ft tall. 15 Woody Vine Stratum (Plot size: Woody vines - All woody vines greater than 3.28 ft ii height. 2. Hydrophytic 3. Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point UPV5

		the depth n				ator or c	onfirm the absence of in	ndicators.)		
Depth (inches)	Matrix	% C		x Feature		Loc ²	Touturo	Domorko		
(inches)	Color (moist)	<u></u> % C	olor (moist)		Type ¹	LOC	Texture	Remarks		
0-8	10YR 5/3	100					Loamy/Clayey			
¹ Type: C=Co	ncentration, D=Deple	tion, RM=Re	duced Matrix, N	MS=Mas	ked San	d Grains.	² Location: PL=	Pore Lining, M=Matrix.		
Hydric Soil II								Problematic Hydric Soils ³ :		
Histosol ((A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)		
Histic Ep	ipedon (A2)	· 	MLRA 149B	·)			Coast Prair	rie Redox (A16) (LRR K, L, R)		
Black His	stic (A3)		Thin Dark Surf	n Dark Surface (S9) (LRR R, MLRA 1			149B)5 cm Mucky	y Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		High Chroma S			-		Below Surface (S8) (LRR K, L)		
	Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) (LRR K, L)		
	Below Dark Surface		Loamy Gleyed		F2)		Iron-Manganese Masses (F12) (LRR K, L, R)			
	rk Surface (A12)		Depleted Matri		- 0)		Piedmont Floodplain Soils (F19) (MLRA 149B)			
			Redox Dark Su				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
			Depleted Dark				Red Parent Material (F21) Very Shallow Dark Surface (F22)			
			Redox Depress Marl (F10) (LR		3)		Other (Explain in Remarks)			
Stripped Matrix (S6)Marl Dark Surface (S7)			Man (1 10) (EIC	.iv iv, =/			Other (Expi	all il Kellarks)		
Bank Bank	1400 (07)									
³ Indicators of	hydrophytic vegetatio	on and wetlan	d hydrology m	ust be p	resent, u	nless dis	turbed or problematic.			
	ayer (if observed):						•			
Type:	rock					ı				
Depth (in	ches):	8				ľ	Hydric Soil Present?	Yes NoX_		
Remarks:	<u> </u>									
ixemaiks.										

Project/Site: Oneida Wind	City/County: Oneida/Oneida Sampling Date: 9/8/21					
Applicant/Owner: Borrego Solar	State: NY Sampling Point: UPV6					
Investigator(s): MM	Section, Township, Range:					
- ' -	I relief (concave, convex, none): convex Slope %: 1-3					
Subregion (LRR or MLRA): LRR R Lat: 43.047845	Long: -75.668176 Datum: NAD83					
Soil Map Unit Name: Wassaic silt loam, 0-3% slopes	NWI classification:					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly distur	<u> </u>					
Are Vegetation, Soil, or Hydrologynaturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam						
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X	Is the Sampled Area within a Wetland? Yes No _X If yes, optional Wetland Site ID:					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) Water-Stained Leaves (
High Water Table (A2) — Aquatic Fauna (B13) — Mad Deposits (B15)	Moss Trim Lines (B16) Dry-Season Water Table (C2)					
Saturation (A3) Water Marks (B1) Marl Deposits (B15) Hydrogen Sulfide Odor						
Sediment Deposits (B2) Sediment Deposits (B2) Oxidized Rhizospheres						
Drift Deposits (B3) Presence of Reduced In						
Algal Mat or Crust (B4) Recent Iron Reduction in	<u> </u>					
Iron Deposits (B5) Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remains)						
Sparsely Vegetated Concave Surface (B8)FAC-Neutral Test (D5)						
Field Observations:						
Surface Water Present? Yes No _X Depth (inches)):					
Water Table Present? Yes No X Depth (inches)						
Saturation Present? Yes No X Depth (inches)): Wetland Hydrology Present? Yes No _X					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Remarks:						

VEGETATION – Use scientific names of plants. Sampling Point: UPV6 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** 1. **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 50.0% (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: =Total Cover Sapling/Shrub Stratum (Plot size: 15 **OBL** species x 1 = 0 1. **FACW** species x 2 = 0 2. Lonicera tatarica FACU FAC species 90 x 3 = 270 3. **FACU** species 25 x 4 = 100 4. **UPL** species 0 x 5 = 5. Column Totals: 115 (A) 370 6. Prevalence Index = B/A = 3.22 7. **Hydrophytic Vegetation Indicators:** 15 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5) 2 - Dominance Test is >50% Bromus inermis FACU 3 - Prevalence Index is ≤3.01 Solidago rugosa 90 FAC 4 - Morphological Adaptations¹ (Provide supportir 2. Yes data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation¹ (Explain) 5. ¹Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diamet 9. at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardles: 100 =Total Cover of size, and woody plants less than 3.28 ft tall. 15 Woody Vine Stratum (Plot size: Woody vines - All woody vines greater than 3.28 ft ii height. 2. Hydrophytic 3. Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point UPV6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Matrix			x Feature						
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks		
0-10	10YR 5/3	100					Loamy/Clayey			
0.0	10						Louing, Giage,			
-										
1Type: C=Co	ncentration, D=Deple	etion RM	I-Peduced Matrix N	MS-Mas		d Grains	² I ocation: PI	=Pore Lining, M=Matrix		
Hydric Soil I		20011, 1XIVI	=Reduced Matrix, iv	/IO-IVIGO	Keu Garn	J Clairio.		r Problematic Hydric S		
Histosol (Polyvalue Belo	w Surfa	-ce (S8) (I PR R		ck (A10) (LRR K, L, ML		
	ipedon (A2)		MLRA 149B)		00) (LIXIX IX,		airie Redox (A16) (LRR		
Black His			Thin Dark Surfa	•) (I RR R	MI_RA		ky Peat or Peat (S3) (L		
	n Sulfide (A4)	•	High Chroma S					Below Surface (S8) (LI		
	Layers (A5)	-	Loamy Mucky I			-	Thin Dark Surface (S9) (LRR K, L)			
	Below Dark Surface	(A11)	Loamy Gleyed			,, _,	Iron-Manganese Masses (F12) (LRR K, L, R)			
	rk Surface (A12)	(,,,,	Depleted Matrix		1 2)		Piedmont Floodplain Soils (F19) (MLRA 149B)			
	ucky Mineral (S1)	•	Redox Dark Su		- 6)			odic (TA6) (MLRA 144		
	leyed Matrix (S4)	-	Depleted Dark				Red Parent Material (F21)			
	edox (S5)	•	Redox Depress				Very Shallow Dark Surface (F22)			
	Matrix (S6)		Marl (F10) (LR		-,		Other (Explain in Remarks)			
Dark Sur	, ,	•		, ,				- ,		
	,									
³ Indicators of	hydrophytic vegetation	on and w	etland hydrology mi	ust be p	resent, u	nless dis	sturbed or problematic.			
	ayer (if observed):	-	, ,,							
Type:	grave	el				I				
Depth (in		8				I	Hydric Soil Present	? Yes	No X	
							1194110 001111000111		<u> </u>	
Remarks:										

Project/Site: Oneida Wind	City/County: Oneida/Oneida Sampling Date: 9/8/21				
Applicant/Owner: Borrego Solar	State: NY Sampling Point: UPV7				
Investigator(s): MM	Section, Township, Range:				
	relief (concave, convex, none): convex Slope %: 1-4				
Subregion (LRR or MLRA): LRR R Lat: 43.049146	Long: -75.664471 Datum: NAD83				
Soil Map Unit Name: Wassaic silt loam, 0-3% slopes	NWI classification:				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology significantly disturb					
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing samp	pling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X	Is the Sampled Area within a Wetland? Yes No _X If yes, optional Wetland Site ID:				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water Stained Leaves (B	Surface Soil Cracks (B6) Drainage Patterns (B10)				
Surface Water (A1)Water-Stained Leaves (E High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor (C					
Sediment Deposits (B2) Sediment Deposits (B2) Oxidized Rhizospheres of					
Drift Deposits (B3) Presence of Reduced Iro					
Algal Mat or Crust (B4) Recent Iron Reduction in					
Iron Deposits (B5) Thin Muck Surface (C7)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No _X Depth (inches):					
Water Table Present? Yes No X Depth (inches):					
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No _X				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:				
Remarks:					

VEGETATION – Use scientific names of plants. Sampling Point: UPV7 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** FACU 1. Cretaegus mollis Yes **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: 0 (A) 3. **Total Number of Dominant** Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 0.0% (A/B Prevalence Index worksheet: 35 =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15 **OBL** species x 1 = 5 x 2 = 1. **FACW** species 10 2. FAC species 0 x 3 = 0 3. **FACU** species 90 x 4 = 360 4. **UPL** species 20 x 5 = 100 5. Column Totals: 115 (A) 470 6. Prevalence Index = B/A = 4.09 7. **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: 2 - Dominance Test is >50% Solidago rugosa 55 FACU 3 - Prevalence Index is ≤3.01 Clinopodium vulgare 20 Yes UPL 4 - Morphological Adaptations¹ (Provide supportir 2. data in Remarks or on a separate sheet) 5 3. Symphyotrichum novae-angliae **FACW** 4. Problematic Hydrophytic Vegetation¹ (Explain) 5. ¹Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diamet 9. at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardles: 80 =Total Cover of size, and woody plants less than 3.28 ft tall. 15 Woody Vine Stratum (Plot size: Woody vines - All woody vines greater than 3.28 ft ii height. 2. Hydrophytic 3. Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Profile Description: (Describe to the dep				ator or c	onfirm the absence of indi	icators.)
Depth Matrix (inches) Color (moist) %	Redox F Color (moist)	%	Type ¹	Loc ²	Toyturo	Remarks
(inches) Coloi (indist) %	Color (moist)	70	туре	LUC	Texture	Remarks
0-18 10YR 5/3 100					Loamy/Clayey	
	·	_	_	_		
						 -
						
						
						•
						
¹ Type: C=Concentration, D=Depletion, RM=	=Reduced Matrix, MS	3=Mask	ked Sand	d Grains.		re Lining, M=Matrix.
Hydric Soil Indicators:	D. I. J. Dalam	~ ·-	(20) (·		oblematic Hydric Soils ³ :
Histosol (A1)	Polyvalue Below	Surfac	;e (58) (i	LRK K,		10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)	MLRA 149B)	- ~ (00)	/I DD B	MIDA		Redox (A16) (LRR K, L, R)
Black Histic (A3)	Thin Dark Surfac					Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4) Stratified Layers (A5)	High Chroma Sa Loamy Mucky Mi			-		ow Surface (S8) (LRR K, L) face (S9) (LRR K, L)
Depleted Below Dark Surface (A11)	Loamy Gleyed M			X 1X, ∟,		ese Masses (F12) (LRR K, L, R)
Thick Dark Surface (A12)	Depleted Matrix (۷,			odplain Soils (F19) (MLRA 149B)
Sandy Mucky Mineral (S1)	Redox Dark Surf		6)			(TA6) (MLRA 144A, 145, 149B)
Sandy Gleyed Matrix (S4)	Depleted Dark S				Red Parent M	
Sandy Redox (S5)	Redox Depression					Dark Surface (F22)
Stripped Matrix (S6)	Marl (F10) (LRR		'/		Other (Explain	
Dark Surface (S7)						,
³ Indicators of hydrophytic vegetation and we	etland hydrology mus	t be pr	esent, u	nless dis	turbed or problematic.	
Restrictive Layer (if observed):				ŀ		
Type:				ŀ		
Depth (inches):				!	Hydric Soil Present?	Yes No_X_
Remarks:						

Project/Site: Oneida Wind	City/County: Oneida/Oneida Sampling Date: 9/8/21				
Applicant/Owner: Borrego Solar	State: NY Sampling Point: UPV8				
Investigator(s): MM	Section, Township, Range:				
Landform (hillside, terrace, etc.): hilltop Local	relief (concave, convex, none): convex Slope %: 1-4				
Subregion (LRR or MLRA): LRR R Lat: 43.047069	Long: -75.663846 Datum: NAD83				
Soil Map Unit Name: Wassaic silt loam, 0-3% slopes	NWI classification:				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrologysignificantly disturb					
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing same					
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X	Is the Sampled Area within a Wetland? Yes No _X If yes, optional Wetland Site ID:				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves (B					
High Water Table (A2) Aquatic Fauna (B13) Aut B procise (B45)	Moss Trim Lines (B16)				
Saturation (A3) — Marl Deposits (B15) Water Marks (B1) — Hydrogen Sulfide Oder (Dry-Season Water Table (C2)				
Water Marks (B1)Hydrogen Sulfide Odor (Sediment Deposits (B2) Oxidized Rhizospheres of					
Drift Deposits (B3) Presence of Reduced Iro	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) ron (C4) Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4) Recent Iron Reduction in	• • • • • • • • • • • • • • • • • • • •				
Iron Deposits (B5) Thin Muck Surface (C7)	. , , , ,				
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No X Depth (inches):	:				
Water Table Present? Yes No X Depth (inches):					
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes No X				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:				
Remarks:					
Normand.					

VEGETATION – Use scientific names of plants. Sampling Point: UPV8 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** FACU 1. Carya ovalis Yes **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: 0 (A) 3. **Total Number of Dominant** Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 0.0% (A/B Prevalence Index worksheet: 5 =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15 **OBL** species x 1 = 0 **FACW** species x 2 = 0 1. Lonicera tatarica 2. Cretaegus mollis FAC species 0 x 3 = 0 3. **FACU** species 40 x 4 = 160 4. **UPL** species 15 x 5 = 75 5. Column Totals: 55 (A) 235 6. Prevalence Index = B/A = 4.27 7. **Hydrophytic Vegetation Indicators:** 30 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 2 - Dominance Test is >50% Solidago rugosa 25 FACU 3 - Prevalence Index is ≤3.01 Clinopodium vulgare 15 UPL 4 - Morphological Adaptations¹ (Provide supportir 2. Yes data in Remarks or on a separate sheet) 3. 10 FACU Trifolium repens No 4 Galium sp. 10 No Problematic Hydrophytic Vegetation¹ (Explain) 5. ¹Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diamet 9. at breast height (DBH), regardless of height. 10. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardles: 60 =Total Cover of size, and woody plants less than 3.28 ft tall. 15 Woody Vine Stratum (Plot size: Woody vines - All woody vines greater than 3.28 ft ii height. 2. Hydrophytic 3. Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

		the depth n				ator or c	onfirm the absence of in	ndicators.)
Depth (inches)	Matrix	% C		x Feature		Loc ²	Touture	Domostro
(inches)	Color (moist)	<u></u> % <u>C</u>	olor (moist)	<u>%</u>	Type ¹	LOC	Texture	Remarks
0-8	10YR 5/3	100					Loamy/Clayey	
				· 				
¹ Type: C=Co	ncentration, D=Deple	tion, RM=Re	duced Matrix, N	MS=Mas	ked San	d Grains.	² Location: PL=F	Pore Lining, M=Matrix.
Hydric Soil II								Problematic Hydric Soils ³ :
Histosol ((A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)	-	MLRA 149B	;)			Coast Prairi	ie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	iace (S9)) (LRR R	., MLRA 1	149B)5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S			-		Selow Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) (LRR K, L)
	Below Dark Surface		Loamy Gleyed		F2)			nese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri		- 0)			loodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su					lic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					Material (F21) w Dark Surface (F22)
	edox (S5) Matrix (S6)		Redox Depress Marl (F10) (LR		3)			ain in Remarks)
Dark Sur	, ,		Man (1 10) (EIC	.ix ix, L)			Otrici (Expir	an in Komarko)
Bank Bank	1400 (07)							
³ Indicators of	hydrophytic vegetatio	on and wetlan	id hydrology m	ust be pr	resent, u	nless dis	turbed or problematic.	
	ayer (if observed):						•	
Type:	rock							
Depth (in	ches):	8					Hydric Soil Present?	Yes NoX_
Remarks:	<u> </u>							
ixemaiks.								

Project/Site: Oneida Wind	City/County: Oneida/Oneida Sampling Date: 9/8/21				
Applicant/Owner: Borrego Solar	State: NY Sampling Point: UPV9				
Investigator(s): MM	Section, Township, Range:				
- '	al relief (concave, convex, none): convex Slope %: 1-3				
Subregion (LRR or MLRA): LRR R Lat: 43.047511	Long: -75.661386 Datum: NAD83				
Soil Map Unit Name: Farmington-Wassaic rock outcrop complex, sloped					
Are climatic / hydrologic conditions on the site typical for this time of year?					
Are Vegetation, Soil, or Hydrology significantly distu	urbed? Are "Normal Circumstances" present? Yes X No				
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing san	mpling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area				
Hydric Soil Present? Yes No X	within a Wetland? Yes No X				
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves					
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor	C1) Crayfish Burrows (C8)				
Sediment Deposits (B2) Oxidized Rhizospheres	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3) Presence of Reduced I	<u> </u>				
Algal Mat or Crust (B4) Recent Iron Reduction	• • • • • • • • • • • • • • • • • • • •				
Iron Deposits (B5) Thin Muck Surface (C7	· · · · · · · · · · · · · · · · · · ·				
Inundation Visible on Aerial Imagery (B7)Other (Explain in Rema					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No X Depth (inches					
Water Table Present? Yes No X Depth (inches					
Saturation Present? Yes No _X Depth (inches (includes capillary fringe)	s): Wetland Hydrology Present? Yes No _X				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	trevious inspections), if available:				
gaage, memoring nen, ashar photos, ph					
Remarks:					

VEGETATION – Use scientific names of plants. Sampling Point: UPV9 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** 1. Acer saccharum 10 Yes **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: 0 (A) 3. **Total Number of Dominant** Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 0.0% (A/B Prevalence Index worksheet: 10 =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15 **OBL** species x 1 = 0 FACU **FACW** species x 2 = 0 1. Cretaegus mollis Yes 2. Lonicera tatarica Yes FACU **FAC** species 0 x 3 = 0 3. **FACU** species 130 x 4 = 520 4. **UPL** species 0 x 5 = 5. Column Totals: 130 (A) 520 6. Prevalence Index = B/A = 4.00 7. **Hydrophytic Vegetation Indicators:** 75 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5) 2 - Dominance Test is >50% Solidago rugosa **FACU** 3 - Prevalence Index is ≤3.01 Lotus corniculatus 20 FACU 4 - Morphological Adaptations¹ (Provide supportir 2. Yes data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation¹ (Explain) 5. ¹Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diamet 9. at breast height (DBH), regardless of height. 10. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardles: 50 =Total Cover of size, and woody plants less than 3.28 ft tall. (Plot size: 15 Woody Vine Stratum Woody vines - All woody vines greater than 3.28 ft ii Vitus aestivalis FACU height. 2. Hydrophytic 3. Vegetation Present? Yes X No 5 =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

		o the de	-			ator or c	onfirm the absence of	indicators.)	
Depth	Matrix			x Feature					
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remark	KS
0-18	10YR 5/4	100					Loamy/Clayey		
				_					
		_							
¹ Type: C=Co	oncentration, D=Deple	etion, RM	1=Reduced Matrix, N	<u>—</u> иS=Mas	ked San	d Grains	² Location: PL:	=Pore Lining, M=Mat	trix,
Hydric Soil II		,,		<u></u>	1100	1		r Problematic Hydric	
Histosol (Polyvalue Belo	w Surfa	ce (S8) (LRR R,		ck (A10) (LRR K, L, N	
	ipedon (A2)		MLRA 149B)		(= , ,			airie Redox (A16) (LR	
Black His			Thin Dark Surfa	•) (LRR R	. MLRA		ky Peat or Peat (S3)	
	n Sulfide (A4)	•	High Chroma S					Below Surface (S8)	
	Layers (A5)	•	Loamy Mucky I			-		Surface (S9) (LRR I	
	Below Dark Surface	(A11)	Loamy Gleyed					ganese Masses (F12)	
	rk Surface (A12)	•	Depleted Matrix		-			Floodplain Soils (F1	
Sandy M	ucky Mineral (S1)	•	Redox Dark Su	ırface (F	·6)		Mesic Spo	odic (TA6) (MLRA 14	4A, 145, 149B)
Sandy Gl	leyed Matrix (S4)		Depleted Dark	Surface	; (F7)		Red Parer	nt Material (F21)	
	edox (S5)		Redox Depress	sions (F	8)		Very Shall	llow Dark Surface (F2	22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	plain in Remarks)	
Dark Sur	face (S7)								
³ Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	ust be pr	resent, u	nless dis	turbed or problematic.		
	.ayer (if observed):					I			
Type:						ŀ			
Depth (in	ches):					I	Hydric Soil Present	? Yes	No X
Remarks:									<u> </u>
Romanic.									

Project/Site: Oneida Wind	City/County: Oneida/Oneida Sampling Date: 9/8/21				
Applicant/Owner: Borrego Solar	State: NY Sampling Point: UPV10				
Investigator(s): MM	Section, Township, Range:				
- , ,	ocal relief (concave, convex, none): convex Slope %: 1-3				
Subregion (LRR or MLRA): LRR R Lat: 43.048295	Long: -75.664510 Datum: NAD83				
Soil Map Unit Name: Wassaic silt loam, 3-8% slopes	NWI classification:				
Are climatic / hydrologic conditions on the site typical for this time of year					
Are Vegetation, Soil, or Hydrologysignificantly d					
Are Vegetation, Soil, or Hydrologynaturally prob					
SUMMARY OF FINDINGS – Attach site map showing s	sampling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area				
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X_				
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1)Water-Stained Leav	ves (B9) Drainage Patterns (B10)				
High Water Table (A2) Aquatic Fauna (B13	Moss Trim Lines (B16)				
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide O					
 -	eres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)Presence of Reduce					
l 	ion in Tilled Soils (C6) Geomorphic Position (D2) (C7) Shellow Aguitard (D2)				
Iron Deposits (B5) Thin Muck Surface (Inundation Visible on Aerial Imagery (B7) Other (Explain in Re					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
	hes):				
	hes):				
	hes): Wetland Hydrology Present? Yes No X				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos	, previous inspections), if available:				
Demodus					
Remarks:					

VEGETATION – Use scientific names of plants. Sampling Point: UPV10 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** 1. **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: 0 (A) 3. **Total Number of Dominant** Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 0.0% (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: =Total Cover Sapling/Shrub Stratum (Plot size: 15 **OBL** species x 1 = 0 1. **FACW** species x 2 = 0 2. FAC species 0 x 3 = 0 3. **FACU** species 85 x 4 = 340 4. **UPL** species 45 x 5 = 225 5. Column Totals: 130 (A) 565 6. Prevalence Index = B/A = 4.35 7. **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: 2 - Dominance Test is >50% Solidago rugosa 65 Yes FACU 3 - Prevalence Index is ≤3.01 Clinopodium vulgare 25 UPL 4 - Morphological Adaptations (Provide supportir 2. Yes data in Remarks or on a separate sheet) 3. Bromus inermis 20 UPL No 4 Phleum pratense 20 No FACU Problematic Hydrophytic Vegetation¹ (Explain) 5. ¹Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diamet 9. at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardles: 130 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 15 Woody vines - All woody vines greater than 3.28 ft ii height. 2. Hydrophytic 3. Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desc	ription: (Describe t	o the depth	needed to doc	ument tl	ne indica	ator or c	confirm the absence of indicators.)	
Depth	Matrix			x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks	
0-12	10YR 5/4	100					Loamy/Clayey	
							· -	
							-	
								
¹ Type: C=Co	ncentration, D=Deple	etion, RM=R	educed Matrix, N	//S=Mas	ked San	d Grains.	s. ² Location: PL=Pore Lining, M=Matrix.	
Hydric Soil I	ndicators:						Indicators for Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Belo	w Surfac	ce (S8) (LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149	9B)
Histic Ep	ipedon (A2)	<u>-</u>	MLRA 149B)			Coast Prairie Redox (A16) (LRR K, L, F	₹)
Black His	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R	, MLRA 1	149B) 5 cm Mucky Peat or Peat (S3) (LRR K,	L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	11) (LRI	R K, L)	Polyvalue Below Surface (S8) (LRR K,	L)
Stratified	Layers (A5)		Loamy Mucky	Mineral ((F1) (LR I	R K, L)	Thin Dark Surface (S9) (LRR K, L)	
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Manganese Masses (F12) (LRR K	, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont Floodplain Soils (F19) (MLRA	A 149B)
Sandy M	ucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145,	149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)	
	edox (S5)		Redox Depres				Very Shallow Dark Surface (F22)	
	Matrix (S6)		Marl (F10) (LR				Other (Explain in Remarks)	
	face (S7)		. , ,	,				
	,							
³ Indicators of	hydrophytic vegetati	on and wetla	nd hydrology m	ust be pr	esent, u	nless dist	sturbed or problematic.	
	ayer (if observed):		, ,,	<u> </u>				
Type:	rock							
Depth (in	ochoe):	12					Hydric Soil Present? Yes No	v
		12					Hydric Soil Present? Yes No _	<u>^</u>
Remarks:								

Project/Site: Oneida Wind	City/County: Oneida/Oneida Sampling Date: 9/9/21				
Applicant/Owner: Borrego Solar	State: NY Sampling Point: UPV11				
Investigator(s): MM	Section, Township, Range:				
	cal relief (concave, convex, none): convex Slope %: 1-3				
Subregion (LRR or MLRA): LRR R Lat: 43.042825	Long: -75.668650 Datum: NAD83				
Soil Map Unit Name: Aurora silt loam, 3-8% slopes	NWI classification:				
·					
Are climatic / hydrologic conditions on the site typical for this time of year'					
Are Vegetation, Soil, or Hydrologysignificantly dis					
Are Vegetation, Soil, or Hydrologynaturally proble					
SUMMARY OF FINDINGS – Attach site map showing sa	impling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area				
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X_				
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leave					
High Water Table (A2) Aquatic Fauna (B13)					
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odd	C1) Crayfish Burrows (C8)				
Sediment Deposits (B2) Oxidized Rhizosphere	es on Living Roots (C3)Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3) Presence of Reduced	• , ,				
Algal Mat or Crust (B4) Recent Iron Reduction					
Iron Deposits (B5)Thin Muck Surface (C					
Inundation Visible on Aerial Imagery (B7)Other (Explain in Ren					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
	es):				
Water Table Present? Yes No X Depth (inche Saturation Present? Yes No X Depth (inche					
Saturation Present? Yes No X Depth (inche (includes capillary fringe)	es): Wetland Hydrology Present? Yes No _X				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p					
3,	,				
Remarks:					

VEGETATION – Use scientific names of plants. Sampling Point: UPV11 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** 1. **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: 0 (A) 3. **Total Number of Dominant** Species Across All Strata: 3 (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 0.0% (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: =Total Cover Sapling/Shrub Stratum (Plot size: 15 **OBL** species x 1 = 0 Fraxinus americana **FACW** species x 2 = 0 1. Yes 2. Acer saccharum FACU FAC species 0 x 3 = 0 3. **FACU** species 100 x 4 = 400 4. **UPL** species 10 x 5 = 5. Column Totals: 110 (A) 450 6. Prevalence Index = B/A = 4.09 7. **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation 10 =Total Cover Herb Stratum (Plot size: 5) 2 - Dominance Test is >50% Solidago rugosa 75 FACU 3 - Prevalence Index is ≤3.01 10 No UPL 4 - Morphological Adaptations¹ (Provide supportir 2. Daucus carota data in Remarks or on a separate sheet) 3. 10 **FACU** Cantaureaa calcitropa No 4 Trifolium repens 10 No **FACU** Problematic Hydrophytic Vegetation¹ (Explain) 5. ¹Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diamet 9. at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardles: 105 =Total Cover of size, and woody plants less than 3.28 ft tall. 15 Woody Vine Stratum (Plot size: Woody vines - All woody vines greater than 3.28 ft ii height. Hydrophytic 3. Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

		o the de	-			ator or c	onfirm the absence of	indicators.)	
Depth	Matrix			x Feature					
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks	
0-18	10YR 5/3	100					Loamy/Clayey		
				_					
									_
¹ Type: C=Co	oncentration, D=Deple	etion, RIV	1=Reduced Matrix, N	<u>—</u> ИS=Mas	ked San	d Grains	² Location: PL	.=Pore Lining, M=Matrix	x.
Hydric Soil II		, ,						r Problematic Hydric	
Histosol (Polyvalue Belo	w Surfa	.ce (S8) (LRR R,		ck (A10) (LRR K, L, ML	
	ipedon (A2)	•	MLRA 149B)		(- / ,			airie Redox (A16) (LRR	
Black His			Thin Dark Surfa	•) (LRR R	MLRA		cky Peat or Peat (S3) (I	
	n Sulfide (A4)	•	High Chroma S					Below Surface (S8) (L	
	Layers (A5)	•	Loamy Mucky I			-		Surface (S9) (LRR K,	
	Below Dark Surface	(A11)	Loamy Gleyed					ganese Masses (F12) (
	rk Surface (A12)	•	Depleted Matrix		-			Floodplain Soils (F19)	
Sandy M	ucky Mineral (S1)	-	Redox Dark Su	ırface (F	- 6)		Mesic Spo	odic (TA6) (MLRA 144	A, 145, 149B)
Sandy Gl	leyed Matrix (S4)		Depleted Dark	Surface	; (F7)		Red Parer	nt Material (F21)	
	edox (S5)		Redox Depress	sions (F	8)		Very Shal	llow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR l	R K, L)			Other (Ex	plain in Remarks)	
Dark Sur	face (S7)								
³ Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	ust be pr	resent, u	nless dis	turbed or problematic.		
	.ayer (if observed):					I			
Type:						ŀ			
Depth (in	ches):					I	Hydric Soil Present	? Yes	No X
Remarks:									
Romanic.									

Project/Site: Oneida Wind	City/County: Oneida/Oneida Sampling Date: 9/9/21				
Applicant/Owner: Borrego Solar	State: NY Sampling Point: UPV12				
Investigator(s): MM	Section, Township, Range:				
- -	ocal relief (concave, convex, none): convex Slope %: 1-3				
Subregion (LRR or MLRA): LRR R Lat: 43.046359	Long: -75.669693 Datum: NAD83				
Soil Map Unit Name: Aurora silt loam, 3-8% slopes	NWI classification:				
Are climatic / hydrologic conditions on the site typical for this time of year					
Are Vegetation, Soil, or Hydrologysignificantly di					
Are Vegetation, Soil, or Hydrologynaturally problem.					
SUMMARY OF FINDINGS – Attach site map showing sa	ampling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No _X	Is the Sampled Area				
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X				
Wetland Hydrology Present? Yes No _X	If yes, optional Wetland Site ID:				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1)Water-Stained Leave					
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Oc	C1) Crayfish Burrows (C8)				
 -	res on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3) Presence of Reduce	• • • • • • • • • • • • • • • • • • • •				
l 	on in Tilled Soils (C6) Geomorphic Position (D2)				
Iron Deposits (B5) Thin Muck Surface (
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rel					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
	nes):				
· · · · · · · · · · · · · · · ·	nes): Wetland Hydrology Present? Yes No X				
(includes capillary fringe)	nes): Wetland Hydrology Present? Yes No _X				
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections) if available:				
gaage, memoring non, asna photos,	p.o.rodo mopositoroj, ir aramazio				
Remarks:					

VEGETATION – Use scientific names of plants. Sampling Point: UPV12 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet: FACU** 1. Acer saccharum 20 Yes **Number of Dominant Species** 2. Carya ovalis 15 FACU Yes That Are OBL, FACW, or FAC: 0 (A) 20 3. Cretaegus mollis Yes **FACU Total Number of Dominant** 4. Species Across All Strata: 7 (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 0.0% (A/B Prevalence Index worksheet: 55 =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15 **OBL** species x 1 = 0 FACU **FACW** species x 2 = 0 1. Fraxinus americana 2. Acer saccharum FACU **FAC** species 0 x 3 = 0 3. **FACU** species 165 x 4 = 660 4. **UPL** species 0 x 5 = 165 5. Column Totals: (A) 660 6. Prevalence Index = B/A = 4.00 7. **Hydrophytic Vegetation Indicators:** 10 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 2 - Dominance Test is >50% Bromus inermis **FACU** 3 - Prevalence Index is ≤3.01 40 FACU 4 - Morphological Adaptations¹ (Provide supportir 2. Cantaureaa calcitropa Yes data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation¹ (Explain) 5. ¹Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in diamet 9. at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardles: 100 =Total Cover of size, and woody plants less than 3.28 ft tall. 15 Woody Vine Stratum (Plot size: Woody vines - All woody vines greater than 3.28 ft ii height. Hydrophytic 3. Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

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		o the dep				ator or c	onfirm the absence of indi	cators.)
Depth (inches)	Matrix	%		x Featur		Loc ²	Toyduro	Domorko
(inches)	Color (moist)	70	Color (moist)	<u>%</u>	Type ¹	LOC	Texture	Remarks
0-18	10YR 5/3	100					Loamy/Clayey	
				. ——				
				·				
¹ Type: C=Co	ncentration, D=Deple	tion PM-	Peduced Matrix	MS-Mas	kad San		² Location: PL=Por	e Lining M-Matrix
Hydric Soil I		tion, ixivi	-reduced Matrix,	IVIO-IVIAS	Keu San	J Grains.		blematic Hydric Soils ³ :
Histosol			Polyvalue Bel	ow Surfa	ce (S8) (DDD		0) (LRR K, L, MLRA 149B)
	ipedon (A2)	_	MLRA 149E		Ce (30) (I	LIXIX IX,		Redox (A16) (LRR K, L, R)
Black His			Thin Dark Sur	•	(IRR R	MI RA		eat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	_	High Chroma					w Surface (S8) (LRR K, L)
	Layers (A5)	_	Loamy Mucky					ace (S9) (LRR K, L)
	Below Dark Surface	(Δ11)	Loamy Gleyed			((, ∟)		se Masses (F12) (LRR K, L, R)
	rk Surface (A12)	(A11)	Depleted Matr		12)			dplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)	-	Redox Dark S		.e)			(TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)	_	Depleted Dark				Red Parent Ma	
	edox (S5)	_	Redox Depres					Dark Surface (F22)
	Matrix (S6)	_	Marl (F10) (LF		0)		Other (Explain	
Dark Sur		_	Iviaii (i 10) (Li	XIX IX, L)			Other (Explain	iii Keiliaiks)
Baik Sui	iace (ST)							
3Indicators of	hydrophytic yogotati	on and wa	tland hydrology m	ust bo n	rocont III	aloce die	turbed or problematic.	
	ayer (if observed):	Jii aliu we	tiand hydrology in	iusi be pi	ieseni, ui	iless uis	turbed or problematic.	
Type:	ayer (ii observeu).							
_								
Depth (in	ches):						Hydric Soil Present?	Yes No _X_
Remarks:								



APPENDIX C

Photo Log



Wetland and Stream Delineation Photos - Oneida Wind

Forest Avenue, Oneida, NY September 7 and September 8, 2021



Study Area



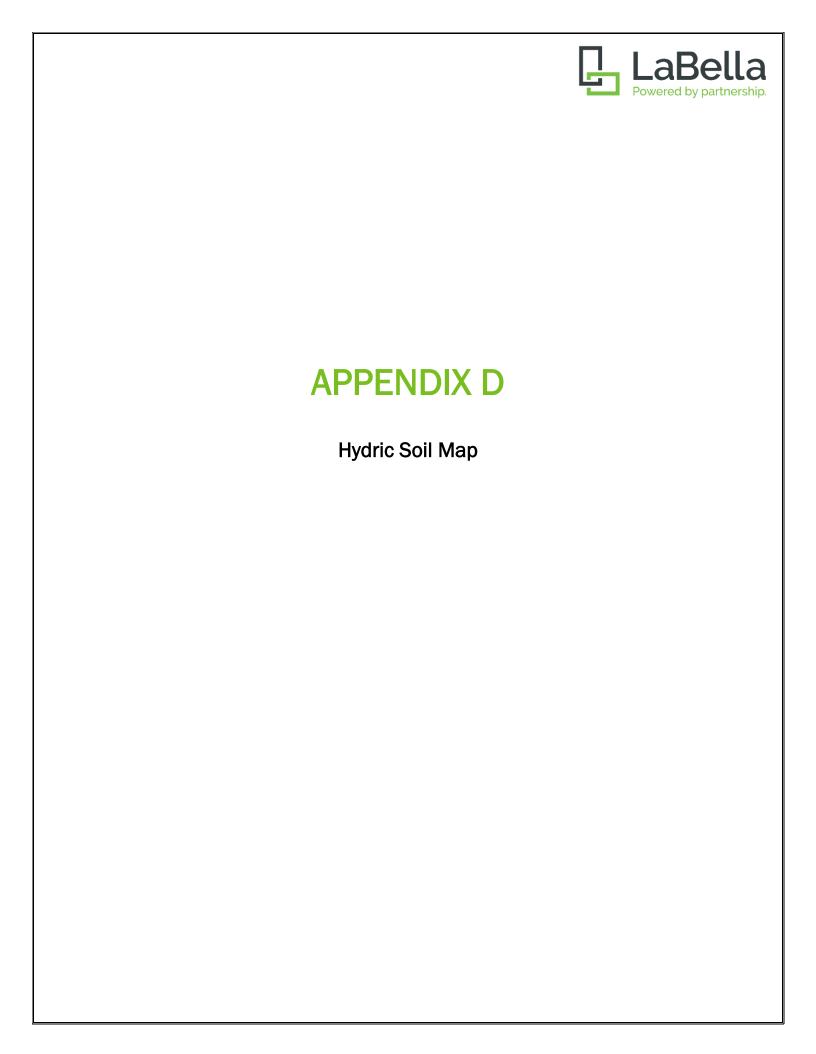
Representative view of upland areas



Representative view of upland areas



Representative view of upland areas



This product is generated from the USDA-NRCS certified data as of the version date(s) listed below. distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more Date(s) aerial images were photographed: Aug 29, 2012—Sep Maps from the Web Soil Survey are based on the Web Mercator contrasting soils that could have been shown at a more detailed misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of The orthophoto or other base map on which the soil lines were Enlargement of maps beyond the scale of mapping can cause projection, which preserves direction and shape but distorts compiled and digitized probably differs from the background Soil map units are labeled (as space allows) for map scales imagery displayed on these maps. As a result, some minor Source of Map: Natural Resources Conservation Service The soil surveys that comprise your AOI were mapped at Please rely on the bar scale on each map sheet for map accurate calculations of distance or area are required. Coordinate System: Web Mercator (EPSG:3857) MAP INFORMATION Warning: Soil Map may not be valid at this scale. shifting of map unit boundaries may be evident. Soil Survey Area: Madison County, New York Survey Area Data: Version 20, Aug 29, 2021 Web Soil Survey URL: 1:50,000 or larger. measurements. Interstate Highways Aerial Photography Major Roads Local Roads US Routes Transportation **Background MAP LEGEND** ŧ Not rated or not available Not rated or not available Not rated or not available Area of Interest (AOI) Streams and Canals Hydric (66 to 99%) Hydric (66 to 99%) Hydric (33 to 65%) Hydric (33 to 65%) Hydric (66 to 99%) Hydric (33 to 65%) Hydric (1 to 32%) Hydric (1 to 32%) Hydric (1 to 32%) Not Hydric (0%) Not Hydric (0%) Not Hydric (0%) Hydric (100%) Hydric (100%) Hydric (100%) Soil Rating Polygons Area of Interest (AOI) Soil Rating Points Soil Rating Lines Water Features

10/15/2021 Page 2 of 5



Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AuB	Aurora silt loam, 3 to 8 percent slopes	0	10.5	13.2%
FGC	Farmington-Wassaic- Rock outcrop complex, sloping	0	44.6	56.0%
WmB	Wassaic silt loam, 3 to 8 percent slopes	0	24.5	30.8%
Totals for Area of Intere	est		79.5	100.0%