

Appendix 14-1

Wetland and Stream Delineation Report



WETLAND AND STREAM DELINEATION REPORT BROOKSIDE SOLAR PROJECT

**Towns of Chateaugay and Burke,
Franklin County, New York**

Prepared For:

Brookside Solar, LLC
8400 Normandale Lake Blvd, Suite 1200
Bloomington, MN 55438

Prepared By:

TRC
215 Greenfield Parkway, Suite 102
Liverpool, NY 13088



December 2021

Table of Contents

1.0	INTRODUCTION	1
1.1	Project Description and Purpose.....	1
1.2	Report Purpose.....	1
2.0	REGULATORY AUTHORITY	2
2.1	United States Army Corps of Engineers.....	2
2.2	New York State Department of Environmental Conservation	3
3.0	PROJECT AREA CHARACTERISTICS	4
3.1	Resources.....	4
3.2	Vegetation and Ecological Communities	4
3.3	Hydrology	6
3.3.1	Hydrologic Mapping.....	6
3.3.2	Hydrologic Character.....	7
3.3.3	FEMA Flood Zone Mapping.....	7
3.4	Federal and State Mapped Wetlands and Streams	7
3.5	Topography and Soil Characteristics.....	9
3.5.1	Topography	9
3.5.2	Site Soils	9
4.0	DELINEATION METHODOLOGY	13
4.1	Hydrology	13
4.2	Vegetation.....	13
4.3	Soils.....	15
4.4	Streams	15
5.0	RESULTS	17
5.1	General Overview	17
5.2	Delineated Wetlands.....	17
5.3	Delineated Streams	22
6.0	CONCLUSIONS	25
7.0	REFERENCES	26

TABLES

Table 1. NYSDEC-Mapped Streams within the Project Area	9
Table 2. Mapped Soils within the Survey Area.....	10
Table 3. Delineated Wetlands within the Survey Area	19
Table 4. Delineated Streams within the Project Area	23

APPENDICES

Appendix A – Figures

- Figure 1. Site Location Map
- Figure 2. Soils Map
- Figure 3. Federal & State Mapped Resources
- Figure 4. Delineated Resources by Type

Appendix B – Photograph Log

Appendix C – Data Forms

- USACE Routine Wetland Determination Forms
- TRC's Stream Inventory Data Forms

1.0 INTRODUCTION

1.1 Project Description and Purpose

Brookside Solar, LLC (Brookside Solar), a subsidiary of The AES Corporation (AES), proposes the construction of an approximately 100-megawatt (MW) photovoltaic (PV) solar energy generation facility (Facility) called the Brookside Solar Project (Project) in the Towns of Burke and Chateaugay, Franklin County, New York. The Project will be developed on approximately 1,280 acres of leased, private land owned by a number of participating landowners (Project Area) (see Figure 1). The Project Area consists of 31 parcels located approximately 1.5 miles west of the Town of Chateaugay. Brookside Solar contracted with TRC to delineate the boundaries of wetlands and aquatic features within this Project Area.

1.2 Report Purpose

TRC conducted a wetland and stream delineation of the Project Area on behalf of Brookside Solar on June 8 to June 17, October 6, December 14, 2020, and May 24 and November 10, 2021. This report describes the wetlands and surface waters identified within the Project Area (including rivers, streams, ponds, and lakes), regardless of jurisdictional status.

Delineation efforts included the following tasks:

1. A desktop review of existing, publicly available federal and state agency resources;
2. A field delineation of all aquatic features within the Survey Area using a handheld Global Positioning System (GPS) with reported sub-meter accuracy; and,
3. Documentation of the delineated aquatic features, wetlands, and surface waters for each resource based on hydrology, vegetation, and hydric soils data collected in the field.

Conclusions proposed herein provide information necessary to support a permit application to the United States Army Corps of Engineers (USACE) and the New York State Department of Environmental Conservation (NYSDEC).

2.0 REGULATORY AUTHORITY

2.1 United States Army Corps of Engineers

In accordance with Section 404 of the Clean Water Act (CWA), the USACE asserts jurisdiction over Waters of the United States (WOTUS). WOTUS are defined as wetlands, streams, and other aquatic resources under the regulatory authority of Title 33 Code of Federal Regulations (CFR) Part 328 and the United States Environmental Protection Agency (EPA) per Title 40 CFR Part 230.3(s). Wetlands are defined as *“those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions”* (EPA, 2001).

On June 22, 2020, the Navigable Waters Protection Rule took effect, replacing the prior Clean Water Rule established in 2015. The Navigable Waters Protection Rule (NWPR) outlined categories of waters considered jurisdictional, as well as those considered non-jurisdictional. However, On August 30, 2021, the U.S. District Court for the District of Arizona issued an order vacating and remanding the NWPR, nationwide.

In accordance with a September 2, 2021 directive from the Acting Assistant Secretary of the Army for Civil Works, the USACE has resumed conducting approved jurisdictional determinations (AJDs) nationwide, consistent with the pre-2015 WOTUS regulatory regime. The pre-2015 regulatory regime is the 1986 WOTUS regulation, as informed by previously-issued 2003 SWANCC and 2008 Rapanos guidance documents resulting from US Supreme Court decisions.

Summary of Key Points:

The USACE (and Environmental Protection Agency (EPA)) will assert jurisdiction over the following waters:

- Traditional navigable waters;
- Wetlands adjacent to traditional navigable waters;
- Non-navigable tributaries of traditional navigable waters that are relatively permanent where the tributaries typically flow year-round or have continuous flow at least seasonally (e.g., typically three months); and,
- Wetlands that directly abut such tributaries.

The agencies will decide jurisdiction over the following waters based on a fact-specific analysis to determine whether they have a significant nexus with a traditional navigable water:

- Non-navigable tributaries that are not relatively permanent;
- Wetlands adjacent to non-navigable tributaries that are not relatively permanent; and,
- Wetlands adjacent to but that do not directly abut a relatively permanent non-navigable tributary.

The agencies generally will not assert jurisdiction over the following features:

- Swales or erosional features (e.g., gullies, small washes characterized by low volume, infrequent, or short duration flow); and,
- Ditches (including roadside ditches) excavated wholly in and draining only uplands and that do not carry a relatively permanent flow of water.

The agencies will apply the significant nexus standard as follows:

- A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by all wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical and biological integrity of downstream traditional navigable waters; and,
- Significant nexus includes consideration of hydrologic and ecologic factors.

2.2 New York State Department of Environmental Conservation

The Freshwater Wetlands Act (Article 24 and Title 23 of Article 71 of the Environmental Conservation Law [ECL]) gives the NYSDEC jurisdiction over state-protected wetlands and adjacent areas, typically extending 100 feet from the wetland perimeter. To implement this Act, regulations were promulgated by the State under 6 NYCRR Parts 663 and 664. Part 664 designates wetlands into four class ratings, with Class I being the highest or best quality wetland and Class IV being the lowest. Wetlands regulated by the State are those 12.4 acres (5 hectares) in size or larger, as well as those smaller than 12.4 acres, deemed to be of “unusual local importance.” The Freshwater Wetlands Act requires the NYSDEC to map all state-protected wetlands. This allows landowners and other interested parties a means of determining where state jurisdictional wetlands exist, although the maps are legally only approximations—thus the need for on-site delineations. Under Part 663, approval under an Article 24 permit is required from the NYSDEC prior to most disturbances to a state-protected wetland or its protected adjacent area, including the removal of vegetation.

Article 15 of the ECL (Protection of Waters), and its implementing regulations under 6 NYCRR Part 608, provides the NYSDEC with regulatory jurisdiction over activities disturbing the bed or banks of protected streams, including small lakes and ponds with a surface area of 10 acres or less, located within the course of a protected stream. This law and regulation also provide NYSDEC jurisdiction over navigable waters of the State, including contiguous marshes, estuaries, tidal marshes and wetlands that are inundated at mean high water level or tide. A protected stream is defined in the ECL as any stream, or particular portion of a stream, that has been assigned by the NYSDEC any of the following classifications or standards: AA, A, B, C(T), or C(TS) (6 NYCRR Part 701). State water quality classifications of unprotected watercourses include Class C and Class D streams. The classifications are defined below.

- A classification of AA or A indicates that the best use of the stream is as a source of water supply for drinking, culinary or food processing purposes, primary and secondary contact recreation, and fishing.
- The best usages of Class B waters are primary and secondary contact recreation and fishing.

- The best usage of Class C waters is fishing. Streams designated (T) indicate that they support trout, while those designated (TS) support trout spawning.
- Waters with a classification of D are generally suitable for fishing and non-contact recreation.

It should be noted, per 6 NYCRR Chapter X, Subchapter B, “*All streams or other bodies of water which are not shown on the reference maps herein shall be assigned to Class D, as set forth in Part 701, supra, except that any continuous flowing natural stream which is not shown on the reference maps shall have the same classification and assigned standards as the waters to which it is directly tributary.*”

3.0 PROJECT AREA CHARACTERISTICS

3.1 Resources

The following publicly available resources were used in the investigation, delineation, and report preparation:

- United States Geological Survey (USGS) Burke New York 7.5-minute quadrangle and Chateaugay New York 7.5-minute quadrangle;
- United States Department of Agriculture (USDA) Ecoregion Maps;
- USGS National Hydrography Dataset;
- USGS Hydrologic Unit Maps;
- Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Panels 3613940010B.
- United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) mapping;
- NYSDEC Environmental Resource Mapper (ERM);
- NYSDEC Freshwater Wetlands Mapping;
- USDA Natural Resources Conservation Service (NRCS) Web Soil Survey; and
- Recent aerial imagery.

3.2 Vegetation and Ecological Communities

The Project Area resides in the Adirondack-New England Mixed Forest—Coniferous Forest—Alpine Meadow Province, within the Eastern Great Lakes Lowlands Level III Ecoregion (83) and the Upper St. Lawrence Valley (83e) (Bailey 1995; Bryce et al. 2010). Ecoregions are ecosystems of regional extent. The USDA identifies ecoregions by ecosystem characteristics into the following classifications:

- Domains: the largest ecosystem, which are groups of related climates and are differentiated based on precipitation and temperature.
- Divisions: represent the climates within domains and are differentiated based on precipitation levels and patterns, as well as temperature.
- Provinces: Subdivisions of divisions, which are differentiated based on vegetation or other natural land covers.
- Sections: Subdivisions of provinces based on terrain features, sections are the finest level of detail described for each subregion.
- Mountainous Areas: Mountainous regions that exhibit different ecological zones based on elevation.

Recent aerial orthoimagery of the Project Area and surrounding vicinity, obtained from Google Earth (V7.3.3.7786) (9/8/2014), indicates that the Project Area consists primarily of agricultural fields with some undeveloped natural meadows and wooded areas. Several farm buildings and/or rural residences are located along the center boundary of the Project Area on Route 11, along the southern boundary on Malone-Chateaugay Road, and in the northeastern corner on Stuart Road. Land within the surrounding areas is also primarily used for agricultural production, interspersed with forested and shrub areas. Several state-regulated streams are mapped through the Project Area. A state-regulated wetland complex is mapped approximately 0.25 miles south of the Project Area (see Section 3.4, below). The Town of Burke and Town of Chateaugay, both containing residential and commercial developments, are located adjacent to the west and east of the Project Area, respectively.

The following ecological communities, as defined by *Ecological Communities of New York State* (Edinger et al., 2014), were identified within the Project Area at the time of the delineation:

- Beech-maple mesic forest
- Common reed marsh
- Cropland/field crops
- Cropland/row crops
- Deep emergent marsh
- Ditch/artificial intermittent stream
- Farm pond/artificial pond
- Hemlock-hardwood swamp
- Hemlock-northern hardwood forest
- Intermittent stream
- Maple-basswood rich mesic forest
- Mowed lawn
- Mowed roadside/pathway
- Pastureland
- Red maple-hardwood swamp
- Rocky headwater stream
- Shallow emergent marsh
- Shrub swamp
- Spring
- Successional northern hardwoods
- Successional old field
- Successional shrubland

3.3 Hydrology

3.3.1 Hydrologic Mapping

The USGS has divided and sub-divided the country into hydrologic units based primarily on drainage basins and watershed boundaries. The main hydrologic unit levels are regions, sub-regions, basins, sub-basins, watersheds, and sub-watersheds. The hydrologic units are nested within each other, from the largest geographic area (regions) to the smallest geographic area (sub-watersheds). Each hydrologic unit is identified by a unique hydrologic unit code (HUC) consisting of two to twelve digits based on the six levels of classification in the hydrologic unit system. In addition to the hydrologic unit codes, each hydrologic unit is assigned a name corresponding to the unit's principal hydrologic feature, or to a cultural or political feature within the unit.

The region hydrologic unit level contains either the drainage area of a major river or the combined drainage areas of a series of rivers. Regions receive a two-digit code. The following hydrologic unit levels are designated by the addition of another two digits with each level. Each sub-region includes the area drained by a river system, a reach of a river and its tributaries in that reach, a closed basin or basins, or a group of streams forming a coastal drainage area. The Project Area is located within the Chateaugay English sub-basin (HUC 04150308), with the majority of parcels located in the Allen Brook—Chateaugay River sub-watershed (HUC 041503080204) and portions of the easternmost parcels located within the Bailey Brook—Chateaugay River sub-watershed (HUC 041506080104) (USEPA 2017).

The NYSDEC also classifies watersheds more generally within the State of New York. Unlike mapping efforts outlined by the USGS above, the NYSDEC uses the definitions of watersheds and drainage basins interchangeably. New York's waters (e.g., lakes, rivers, wetlands, and streams) fall within one of seventeen major drainage basins. The NYSDEC defines these drainage basins or watersheds as an area of land that drains water into a specific body of water within or adjacent to New York State and includes networks of rivers, streams, lakes, and the surrounding lands. The NYSDEC-classified watersheds are separated by high elevation geographic features (e.g., mountains, hills, and ridges). Each major drainage basin corresponds to one or more USGS sub-basins (USGS HUC 8-digit codes). The Project Area is located within the St. Lawrence River watershed (NYSDEC 2014b). This drainage basin includes 5,600 square miles of land area and includes 11,371 miles of freshwater rivers and streams and 85,723 acres of lakes, ponds, and reservoirs.

The NYSDEC-mapped river and stream, Chateaugay River and Allen Brook, are located near the Project Area. At its closest point, the Chateaugay River runs approximately 30 feet to the northeast of the easternmost parcel of the Project Area north of Route 11. The Chateaugay River continues to the southeast and connects to the Lower Chateaugay Lake about 6.75 miles southeast of the Project Area. Allen Brook cuts through the southwest corner of the most southwest parcel of the Project Area. It continues to the south-southeast until ending about 0.70

miles south of the Project Area. The Chateaugay River and Allen Brook connect about 1.80 miles north of the northernmost parcel of the Project Area.

3.3.2 Hydrologic Character

The predominant surface waterbodies within and adjacent to the Project Area are unnamed tributaries to Chateaugay River within the eastern parcels of the Project Area and unnamed tributaries to Allen Brook within the western parcels of the Project Area. The Chateaugay River is located approximately 30 feet from the northwest corner of the Project Area and is classified as a NYSDEC Class C(T) stream. The tributaries of the Chateaugay River are classified as NYSDEC Class C(T) and Class D waterways (NYSDEC 2008). The unnamed tributaries to Allen Brook are also classified as NYSDEC Class C(T) and Class D waterways. These tributaries are located through the western and central portions of the Project Area and continue from the northern parcels south across Route 11 and into the southern parcels. Three of the tributaries extend beyond the Project Area to the south (NYSDEC 2008).

According to climate data from the Town of Malone, located approximately 9.5 miles southwest of the Project Area, this region receives an average of 38.86 inches of precipitation annually (U.S. Climate Data 2020). In general, water drains from the Project Area to the west towards the St. Lawrence River, in some areas draining north/northwest. Hydrologic conditions were normal during the delineation, with 1.19 inches of precipitation logged in Malone during the delineation effort and 0.87 inches recorded during the preceding week.

3.3.3 FEMA Flood Zone Mapping

FEMA maintains materials developed to support flood hazard mapping for the National Flood Insurance Program (NFIP). The Project Area partially falls into FEAM FIRM panel 3613940010B (effective 2/19/1986). The Project Area does not fall within a FEMA-mapped 100-year flood hazard area (Figure 3; FEMA 2020).

3.4 Federal and State Mapped Wetlands and Streams

The USFWS is the principal federal agency tasked with providing information to the public on the status and trends of wetlands on a national scale. The USFWS NWI is a publicly available resource that provides detailed information on the abundance, characteristics, and distribution of nationwide wetlands (where mapped). NWI mapping data is offered to promote the understanding, conservation, and restoration of wetlands. Note, unlike NYSDEC wetland maps, NWI wetland maps do not denote federal jurisdiction with their mapped boundaries. NWI wetlands are used as a reference guide by TRC wetland scientists to conduct a more informed site survey in the demarcation or delineation of wetlands and streams, which could be subject to federal jurisdiction.

Review of the NWI mapping during the preliminary desktop analysis indicated numerous wetland areas are mapped within the Project Area boundaries (Figure 3). Within the Project Area parcels, these included five freshwater emergent (PEM) wetlands, measuring 1.64, 1.58, 0.69, 0.41, and 1.27 acres, two freshwater scrub-shrub (PSS) wetlands, measuring 2.23 and 0.61 acres, two freshwater forested (PFO) wetlands, measuring 3.30 and 3.06 acres, and five freshwater ponds (PUB) mapped entirely within the Project Area boundaries, measuring 0.11, 0.13, 0.12, 0.22, and 0.22 acres in size. Additionally, portions of one PFO wetland, measuring 12.93 acres, and one PSS wetland, measuring 2.23 acres, area are mapped as partially within these parcels (Figure 3; USFWS 2020).

Zero state-regulated wetlands are mapped by the NYSDEC as overlapping the Project Area (Figure 3; NYSDEC 2014a). Only one NYSDEC wetland is mapped within one mile of the Project Area (Figure 3; NYSDEC 2014a). Wetland CG-6 is a 26-acre Class 3 wetland located 0.40 miles to the south of the southeastern Project Area parcels (Figure 3). The associated state-regulated check zone is mapped about 100 feet from the Project Area boundary. This state-protected wetland borders a DEC Class D tributary of Allen Brook, which itself flows northwest, ultimately intersecting the Project Area approximately 5,800 feet downstream. Within the Project Area, Allen Brook is bordered in places by TRC-delineated wetlands W-JJB-2 and W-WCR-7.

There are also numerous riverine wetland systems mapped within the Project Area. Each of the waterways mapped within the Project Area are mapped as perennial features by both the NWI and USGS National Hydrography Dataset (NHD) (USFWS 2020; USGS 2018). Four unnamed waterways and the named waterway, Allen Brook, are found throughout the Project Area. Three streams, two unnamed and the Allen Brook, are found in the southwestern portion of the Project Area, and all converge off site. Allen Brook is a Class C(T) stream. The other two unnamed streams are Class C and Class D streams (Figure 3; NYSDEC 2014a). All three of these streams continue south and cross Route 11 into the southern portion of the Project Area. Two unnamed streams, One Class C and one Class D stream, enter the Project Area from the north and continue south into the central parcels and extend to the southeastern parcels. These two unnamed streams extend north off site and connect into one stream and continue to move northwest to converge with the other unnamed streams and Allen Brook (Figure 3; NYSDEC 2014a). One unnamed waterway enters the Project Area east of East Road and drains off site as a Class C stream. Two unnamed waterways are found in the eastern portion of the Project Area as Class D and Class C streams. Both waterways extend off-site and connect north of the site (Figure 3). These waterways continue north and connect about 1.80 miles away to the Chateaugay River, a perennial Class C stream (NYSDEC 2014a).

While these resources provide general information about the location, size, and quality of wetlands and waterways, field verification is required to confirm the presence or absence and the extent of aquatic features within the Project Area. During field surveys, TRC scientists delineated additional unmapped wetlands and waterways. These results are discussed in detail in Section 5.0.

Table 1. NYSDEC-Mapped Streams within the Project Area

NYSDEC Stream Name and Regulatory ID Number	NYS Major Drainage Basin	USGS Sub-basin HUC 8 and Name	NYSDEC Classification ¹ and Standard ²	Cumulative Linear Feet within the Project Area
Unnamed Tributary 910-24	St. Lawrence River	04150308--Chateaugay-English	Class C(T)	6,599.0
Unnamed Tributary 910-25	St. Lawrence River	04150308--Chateaugay-English	Class D	6,084.0
Unnamed Tributary to Allen Brook 910-25	St. Lawrence River	04150308--Chateaugay-English	Class D	8,704.6
Unnamed Tributary to Allen Brook 910-24	St. Lawrence River	04150308--Chateaugay-English	Class C(T)	6,843.2

¹A classification of AA or A indicates that the best use of the stream is as a source of water supply for drinking, culinary or food processing purposes, primary and secondary contact recreation, and fishing. The best usages of Class B waters are primary and secondary contact recreation and fishing. The best usage of Class C waters is fishing. Waters with a classification of D are generally suitable for fishing and non-contact recreation.

² Streams designated (T) indicate that they support trout, while those designated (TS) support trout spawning.

3.5 Topography and Soil Characteristics

3.5.1 Topography

The Project Area is mostly flat to slightly steep, ranging from about 700 – 1050 feet above mean sea level (AMSL) with the highest point located in the southeastern corner. In general, topography slopes down from south to north, towards the split between Chateaugay River and Allen Brook.

3.5.2 Site Soils

The USDA NRCS Web Soil Survey is an online resource mapping tool that provides soil data and information for the United States. This information is produced by the National Cooperative Soil Survey (NCSS), in partnership with federal, regional, state, and local agencies and private entities and institutions.

A total of 33 soil map units were identified within the Survey Area. Soil map units represent a type of soil, a combination of soils, or miscellaneous land types. Soil map units are usually named for the predominant soil series or land types within the map unit. Due to limitations imposed by the small scale of the soil survey mapping, it is not uncommon to identify wetlands within areas not mapped as hydric soil, while areas mapped as hydric often do not support wetlands. This concept is emphasized by the NRCS:

“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.”

Soil drainage in the Project Area is variable, with approximately 43.9 percent of mapped soils classified as somewhat poorly drained, 26.0 percent mapped as moderately well drained, 21.9 percent mapped as poorly drained, 5.8 percent mapped as very poorly drained, 5.2 percent classified as well drained, and 0.6 percent mapped as excessively drained. The majority of soils within the Project Area (82.35 percent) are classified as farmland of statewide important, with approximately 17.27 percent mapped as not prime farmland. Minor amounts of soils mapped within the Project Area (0.39 percent) are mapped as prime farmland (USDA NRCS 2019). The 33 soil map units identified within the Project Area by the NRCS are outlined in Table 2. Refer to Figure 2 for graphically depicted soil map units of the Project Area.

Table 2. Mapped Soils within the Survey Area

Map Unit Symbol	Map Unit Name	Slope (%)	Drainage Class	Hydric Rating (%)	Acres in Survey Area	Percent of Survey Area
Bea	Brayton stony loam, 0 to 3 percent slopes	0-3	Somewhat poorly drained	10	257.0	17.6
Beb	Brayton stony loam, 3 to 8 percent slopes	3-8	Somewhat poorly drained	10	319.5	21.8
Bfb	Brayton very stony loam, 0 to 8 percent slopes	0-8	Somewhat poorly drained	10	49.8	3.4
Caa	Colton and Constable gravelly loamy sands, 0 to 3 percent slopes	0-3	Excessively drained	0	3.8	0.3
Cab	Colton and Constable gravelly loamy sands, 3 to 8 percent slopes	3-8	Well drained	0	35.7	2.4
Cbb	Colton and Constable cobbly loamy sands, 3 to 8 percent slopes	3-8	Well drained	0	10.2	0.7
Ccc	Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes	8-15	Well drained	0	10.0	0.7
Ccd	Colton and Constable gravelly and cobbly loamy sands, 15 to 25 percent slopes	15-25	Well drained	0	4.6	0.3
Daa	Duane gravelly sandy loam, 0 to 3 percent slopes	0-3	Moderately well drained	0	16.3	1.1
Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes	0-3	Moderately well drained	3	11.6	0.8

Map Unit Symbol	Map Unit Name	Slope (%)	Drainage Class	Hydric Rating (%)	Acres in Survey Area	Percent of Survey Area
Eab	Empeyville very fine sandy loam, 3 to 8 percent slopes, stony	3-8	Moderately well drained	3	82.1	5.6
Eac	Empeyville very fine sandy loam, 8 to 15 percent slopes, stony	8-15	Moderately well drained	3	13.3	0.9
Ecd	Empeyville very fine sandy loam, 15 to 25 percent slopes, stony	15-25	Moderately well drained	3	5.5	0.4
Edc	Empeyville very fine sandy loam, 8 to 25 percent slopes, very stony	8-25	Moderately well drained	3	3.1	0.2
Mea	Moira stony loam, 0 to 3 percent slopes	0-3	Moderately well drained	0	11.8	0.8
Meb	Moira stony loam, 3 to 8 percent slopes	3-8	Moderately well drained	0	193.7	13.2
Mec	Moira stony loam, 8 to 15 percent slopes	8-15	Moderately well drained	0	40.4	2.8
Mha	Muck, shallow	-	Very poorly drained	100	3.6	0.2
Qu	Quarries	-	-	0	0.4	0.0
Saa	Saco and Sloan soils, 0 to 2 percent slopes	0-2	Very poorly drained	90	13.8	0.9
Sea	Scarboro fine sandy loam, 0 to 3 percent slopes	0-3	Very poorly drained	85	19.2	1.3
Sga	Scarboro loam, neutral variant, over till or clay, 0 to 3 percent slopes	0-3	Very poorly drained	90	0.2	0.0
Sma	Runeberg soils, 0 to 5 percent slopes	0-5	Poorly drained	96	119.8	8.2
Sna	Runeberg soils, 0 to 5 percent slopes, very stony	0-5	Poorly drained	96	61.5	4.2
Tca	Tughill and Dannemora stony very fine sandy loams, 0 to 3 percent slopes	0-3	Very poorly drained	90	2.2	0.2
Tda	Tughill and Dannemora very stony very fine sandy loams, 0 to 3 percent slopes	0-3	Very poorly drained	90	3.9	0.3
W	Water	-	-		0.5	0.0
Wca	Walpole sandy loam, 0 to 6 percent slopes	0-6	Poorly drained	85	17.8	1.2

Map Unit Symbol	Map Unit Name	Slope (%)	Drainage Class	Hydric Rating (%)	Acres in Survey Area	Percent of Survey Area
Wma	Westbury and Dannemora stony very fine sandy loams, 0 to 3 percent slopes	0-3	Somewhat poorly drained	40	16.2	1.1
Wmb	Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes	3-8	Poorly drained	45	121.7	8.3
Wqb	Worth very sandy loam, 3 to 8 percent slopes, stony	3-8	Well drained	0	4.5	0.3
Wsd	Worth very fine sandy loam, 8 to 25 percent slopes, very stony	8-25	Well drained	0	0.7	0.1
Wte	Worth very fine sandy loam, 25 to 60 percent slopes, very stony	25-60	Well drained	0	9.9	0.7

Hydric Soil

The Web Soil Survey of the Survey Area was consulted prior to conducting the delineation to determine the extent of soils meeting hydric criteria as defined by the NRCS. The *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987) (1987 Manual) defines a hydric soil as “a soil that in its undrained condition, is saturated, flooded or ponded long enough during the growing season to develop anaerobic conditions that favor the growth and regeneration of hydrophytic vegetation.”

Soil map units are composed of one or more components or soil types, each of which can be rated as hydric or non-hydric. A map unit’s hydric rating is based on the percentage of hydric soil components that make up the map unit. Thus, map units with a greater proportion of hydric components have a greater hydric soil rating. Map units with relatively high hydric soil ratings are more likely to correspond with potential wetland areas. Of the 33 soil map units mapped within the Project Area, 11 identified as having a relatively high proportion (33 percent or greater) of hydric components (Figure 2; USDA NRCS 2019). Although a soil map unit will be given a general hydric soil rating on the Web Soil Survey, this rating is for reference only and does not supersede site-specific conditions documented in the field that constitute hydric soil presence in located wetlands.

4.0 DELINEATION METHODOLOGY

Prior to initiating field investigations, TRC conducted a desktop review of publicly available data to determine the potential presence of federal and state mapped wetlands and streams within the Project Area alongside other potential environmental constraints, which could impact the Project. TRC wetland scientists subsequently performed field investigations to identify aquatic features within the Project Area. Delineations for wetlands and streams were performed in accordance with criteria set forth in the 1987 *Army Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987) (Manual) and the 2012 *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0)* (USACE 2012) (Supplement). Data was collected from a sample plot in each delineated wetland. Depending on the size of the delineated area and any change in cover type, multiple sample plots of the delineated wetland may have been taken. Delineation data was recorded on USACE Routine Wetland Determination Forms (Appendix C). The boundaries of wetlands were demarcated with pink survey ribbon labeled “wetland delineation” and located with a GPS unit with reported sub-meter accuracy.

4.1 Hydrology

The presence of wetland hydrology is determined based on primary and secondary indicators established by the USACE. The 1987 Manual defines the presence of wetland hydrology when at least one primary indicator or two secondary indicators are identified. Hydrology is present if one or more primary indicator is present; however, if primary indicators are absent, two or more secondary indicators are required to determine the presence of wetland hydrology. If other probable wetland hydrology evidence was found on-site, then such characteristics were subsequently documented on the USACE Routine Wetland Determination Form. Wetland hydrology indicators are grouped into 18 primary and 11 secondary indicators as presented in the Supplement.

Wetland hydrology may influence the characteristics of vegetation and soils due to anaerobic and reducing conditions (Environmental Laboratory 1987). This influence is dependent on the frequency and duration of soil inundation or saturation which, in turn, is dependent on a variety of factors including topography, soil stratigraphy, and soil permeability, in conjunction with precipitation, runoff, and stormwater and groundwater influence.

4.2 Vegetation

Hydrophytic vegetation is defined in the 1987 Manual as:

“...the sum total of macrophytic plant life that occurs in areas where the frequency and duration of inundation or soil saturation produce permanently or periodically saturated soils of sufficient duration to exert a controlling influence on the plant species present.”

Plants are categorized according to their occurrence in wetlands. Scientific names and wetland indicator statuses for vegetation are those listed in *The National Wetland Plant List: 2018 Wetland*

Ratings (USACE 2018) (NWPL). Due to regional differences in wetland vegetation, among other characteristics, the USACE divided the United States into regions to improve the accuracy and efficiency of wetland delineations. The indicator statuses specific to the “Northcentral and Northeast Region,” as defined by the USACE, apply to the Project Area. The official short definitions for wetland indicator statuses are as follows:

- Obligate Wetland (OBL): Almost always occur in wetlands.
- Facultative Wetland (FACW): Usually occur in wetlands but may occur in non-wetlands.
- Facultative (FAC): Occur in wetlands and non-wetlands.
- Facultative Upland (FACU): Usually occur in non-wetlands but may occur in wetlands.
- Upland (UPL): Almost never occur in wetlands.

For species with no indicator status in the Project Area’s region, the indicator status assigned to the species in the nearest adjacent region is applied. Plants that are not included on the NWPL within the Project Area’s region, nor an adjacent region, are given no indicator status, and are not included in dominance calculations. Plants that are not listed in any region on the NWPL are considered as UPL on USACE Routine Wetland Determination Forms.

Vegetation in both upland and wetland communities was characterized using areal methods for instituting plot measurement. In accordance with USACE methodology, a plot radius of 30 feet around the soil sample location was applied to tree species and vines, a 15-foot radius for saplings/shrubs, and a 5-foot radius was utilized for herbaceous plants. After the measurement of percent coverage was determined for each species, an application of the 50/20 rule of dominance determination was utilized to determine hydrophytic dominance at sample plots. In using the 50/20 rule, the plants that comprise each stratum are ranked from highest to lowest in percent cover. The species that cumulatively equal or exceed 50 percent of the total percent cover for each stratum are dominant species, and any additional species that individually provides 20 percent or more percent cover are also considered dominant species of its respective strata. The total cover for each stratum, and subsequently the plot as a whole, could exceed 100 percent due to vegetation overlap.

It should be noted that wetland boundary results of this approach may differ meaningfully from the approach outlined within the *New York State Freshwater Wetland Delineation Manual* (Browne et al. 1995). The difference is described within this report if needed to address NYSDEC Article 24 jurisdiction. Though not common, two wetland boundaries, a state and a federal boundary, may arise from subtle differences in the definition of vegetative strata, sampling technique, and wetland indicators between the USACE and the NYSDEC. See Section 5.0 for more detail.

Cover types are also assigned to each wetland. The delineated resources were classified in accordance with the system presented in *The Classification of Wetlands and Deepwater Habitats*

of the United States, Second Edition (FGDC 2013). Field biologists assign cover types to wetlands based on this classification standard and utilize this document. TRC biologists also used the definitions for perennial and intermittent streams found in *The Classification of Wetlands and Deepwater Habitats of the United States, Second Edition* (FGDC 2013) when classifying delineated streams. Ephemeral streams have flowing water primarily from rainfall runoff and are above the water table.

4.3 Soils

Hydric soil indicators were determined utilizing the Supplement with added provision from the *Field Indicators of Hydric Soils in the United States: A Guide for Identifying and Delineating Hydric Soils*, Version 8.2 (USDA NRCS 2018). Soil characteristics were documented, including color, texture, layer depth, presence of organic layers, and evidence of redoximorphic features, which may include indicators such as reduction, oxidation, gleyed matrices, manganese features. Soil test pits were dug using a spade shovel to a depth of approximately 20 inches. If refusal of a soil sample to 20 inches occurred due to the presence of hardpan layer, rock, or hard fill materials, this occurrence was documented. Soil color was described using the *Munsell Soil Color Book* (Munsell Color 2015). Texture was determined using the USDA feel method (Thien 1979).

Hydric soil indicators applicable to the Project Area were determined using the *Land Resource Regions and Major Land Resource Areas of the United States, the Caribbean, and the Pacific Basin* (USDA NRCS 2006) (MLRA Handbook). Per the MLRA Handbook, the Project Area is within Major Land Resource Area 144A (New England and Eastern New York Upland, Southern Part) of Land Resource Region (LRR) R (Northeastern Forage and Forest Region). Hydric soil indicators that do not apply to this MLRA were not considered.

4.4 Streams

Streams and other non-wetland aquatic features (e.g., lakes and ponds, if any) within the Project Area were identified by the presence of standing surface water or confined flow, and, with the exception of some ephemeral streams, a bed and bank containing an ordinary high water mark (OHWM) (33 CFR 328.3). The OHWM is formed by the fluctuations of water, and where not established and available by public record, is determined by physical characteristics such as a clear, natural line impressed on the bank; shelving; changes in the character of soil; destruction of terrestrial vegetation; the presence of litter and debris; or other characteristics of the surrounding areas.

The streams were delineated from bank to bank with blue flagging and points of the delineated boundaries were located with a handheld GPS unit set for sub-meter accuracy. In streams less than 6 feet wide, sub-meter GPS point capture and post-processing (differential correction) may yield imprecise stream bank measurements due to the narrow nature of the stream. In these circumstances, centerline delineations are applied to maintain accurate representation of stream sinuosity for planning and impact calculation purposes. Stream attributes including width, bank height, and water depth are measured and documented on TRC Stream Inventory Data Forms (Appendix C).

Streams are identified as to their flow regime of perennial, intermittent or ephemeral. Perennial streams tend to flow throughout the year, except during severe drought conditions. They can flow below the water table and receive groundwater sources from springs or groundwater seepages on slopes. Intermittent streams flow only during certain times of year from alternating springs, snow melt, or from seasonal precipitation runoff. Ephemeral streams flow sporadically and are entirely dependent on precipitation from storm events or periodic snow melts. They tend to flow above the water table and are often found as drainage features adjacent to or within the headwaters of a more major stream system. Identification in the field was based on characteristics including degree of channel formation, volume of flow, landscape setting, position relative to groundwater table, and presence/absence of aquatic fauna.

5.0 RESULTS

5.1 General Overview

The Project Area contains primarily agricultural fields. Upland forests within the Project Area included sugar maple (*Acer saccharum*), red maple (*Acer rubrum*), eastern hemlock (*Tsuga canadensis*) and eastern hop-hornbeam (*Ostrya virginiana*).

Weather conditions were normal for the season during the delineation effort, with the region receiving 1.19 inches of precipitation from June 8 through June 17, receiving a total of 0.87 inches of precipitation in the preceding week, and no precipitation during the May 2021 delineation or the November 2021 delineation (U.S. Climate Data 2020).

During the course of the field study from June 8 to June 17, October 6, December 14, 2020, and May 24th and November 10, 2021, TRC delineated 38 wetlands and 25 waterways (Figure 4). Approximately 5.71 percent (73.15 acres) of the 1,280-acre leased Project Area was identified as wetland. Tables 3 and 4 below detail the wetlands and streams delineated in the Project Area. Representative photographs taken of each delineated wetland and stream community within the Project Area are provided in Appendix B. Completed USACE Routine Wetland Determination Forms are provided in Appendix C. TRC Stream Delineation Forms are provided in Appendix D.

Two features, (SW-WCR-1 and SW-JJB-18), are farm ponds delineated as surface waterbodies and are not included in Table 4.

5.2 Delineated Wetlands

Palustrine Emergent Wetlands (PEM) – Twenty-five wetlands delineated within the Project Area contained characteristics representative of an emergent wetland community. Emergent wetland communities are dominated by herbaceous vegetation, comprising woody or non-woody plants that are generally less than 3.28 feet tall (Federal Geographic Data Committee 2013).

Emergent wetlands delineated within the Project Area were typically dominated by reed canary grass (*Phalaris arundinacea*), narrowleaf cattail (*Typha angustifolia*), white meadowsweet (*Spiraea alba*), common fox sedge (*Carex vulpinoidea*), lamp rush (*Juncus effusus*), single-vein sweet flag (*Acorus calamus*), and sensitive fern (*Onoclea sensibilis*). Primary hydrology indicators typically recorded within these wetlands included high water table (A2) and saturation (A3). Secondary indicators of hydrology typically observed within these wetlands included saturation visible in aerial imagery (C9), geomorphic position (D2), and a positive FAC-neutral test (D5). Emergent wetlands within the Project Area commonly contained clay loam, silty clay loam, and clay soils. Soils typically demonstrated redox dark surface (F6) and/or depleted matrix (F3) indicators (Appendix C).

Palustrine Scrub-shrub Wetlands (PSS) – Ten wetlands delineated within the Project Area contained characteristics representative of a scrub-shrub wetland community. These wetlands

are dominated by woody shrubs typically less than 20 feet tall (Federal Geographic Data Committee 2013).

Scrub-shrub wetlands observed within the Project Area were dominated by speckled alder (*Alnus incana*), gray willow (*Salix bebbiana*), nannyberry (*Viburnum lentago*), and black willow (*Salix nigra*). Primary hydrology indicators recorded within these wetlands included saturation (A3). Common secondary hydrology indicators observed include geomorphic position (D2), a positive FAC-neutral test (D5), and saturation visible in aerial imagery (C9). Clay loam and slit loam soils were typically recorded within these wetlands. Soils demonstrated depleted matrix (F3) and/or redox dark surface (F6) hydric indicators.

Palustrine Forested Wetlands (PFO) – Nine wetlands identified within the Project Area were recorded as containing a forested wetland community. Forested wetlands are dominated by woody vegetation that typically has a diameter at breast height (DBH) of at least three inches, with an understory of shrub and herbaceous species (Federal Geographic Data Committee 2013).

Dominant vegetation in the forested wetlands observed within the Project Area typically included green ash (*Fraxinus pennsylvanica*), black willow (*Salix nigra*), and black spruce in the tree stratum, and gray dogwood and Morrow's honeysuckle within the shrub stratum. Forested wetlands within the Project Area were typically recorded as having saturation (A4) and / or high water table (A2) primary hydrology indicators, and microtopographic relief (D4) and a positive FAC-neutral test (D5) secondary indicators. Silty clay soils were typical within these wetlands, with redox dark surface (F6) and / or a depleted matrix (F3) hydric soil indicators.

Palustrine Unconsolidated Bottom Wetlands (PUB) – One wetland delineated within the Project Area was observed to contain characteristics representative of unconsolidated bottom wetland communities. These communities include wetland and deep-water habitats with at least 25 percent cover of particles smaller than stone, and a vegetative cover of less than 30 percent. Because these are bodies of standing water, evidence of hydrology is decisively present (Federal Geographic Data Committee 2013).

Although unconsolidated bottom wetlands are not typically heavily vegetated, dominant PUB vegetation observed in the Project Area included narrowleaf cattail, devil's pitchfork (*Bidens frondosa*) and black willow. Primary hydrology indicators included surface water (A1), high water table (A2), and inundation visible in aerial imagery (B7). Secondary hydrology indicators included geomorphic position (D2) and a positive FAC-neutral test (D5). A clear soil profile was unobtainable due to inundation, soils were assumed to be hydric.

Table 3. Delineated Wetlands within the Survey Area

Wetland Field Designation	Cover Type Classification ¹ and Acreage				Total Wetland Acreage within Survey Area	Stream(s) Present Within Wetland	Linear Feet of Stream(s) Within Wetland	Latitude of Centroid	Longitude of Centroid
	PEM	PSS	PFO	PUB					
W-JJB-1	0.80	-	-	-	0.80	-	-	44.9296	-74.1345
W-JJB-2	5.46	4.18	-	-	9.64	S-JJB-2	616	44.9234	-74.1380
W-JJB-3	0.33	-	-	-	0.33	-	-	44.9274	-74.1374
W-JJB-4	3.02	-	-	-	3.02	-	-	44.9306	-74.1305
W-JJB-5	-	2.66	-	-	2.66	-	-	44.9273	-74.1271
W-JJB-6	-	-	-	0.15	0.15	-	-	44.9247	-74.1259
W-JJB-7	-	0.24	-	-	0.24	-	-	44.9288	-74.1251
W-JJB-8	-	0.2	1.25	-	1.45	-	-	44.9270	-74.1241
W-JJB-9	0.04	-	-	-	0.04	-	-	44.9360	-74.1285
W-JJB-10	4.98	-	-	-	4.98	S-JJB-4 S-WCR-2	97 437	44.9334	-74.1253
W-JJB-11	-	0.17	-	-	0.17	S-JJB-6	156	44.9180	-74.1313
W-JJB-12	1.01	-	-	-	1.01	S-JJB-9	161	44.9157	-74.1353
W-JJB-13	0.25	-	-	-	0.25	-	-	44.9171	-74.1353

Wetland Field Designation	Cover Type Classification ¹ and Acreage				Total Wetland Acreage within Survey Area	Stream(s) Present Within Wetland	Linear Feet of Stream(s) Within Wetland	Latitude of Centroid	Longitude of Centroid
	PEM	PSS	PFO	PUB					
W-JJB-14	2.45	10.16	-	-	12.61	S-JJB-11 S-JJB-13 S-JJB-14 S-JJB-2	1000 15 1451 564	44.9198	-74.1357
W-JJB-15	0.26	-	-	-	0.26	S-JJB-12	30	44.9170	-74.1332
W-JJB-16	0.26	-	-	-	0.26	-	-	44.9167	-74.1216
W-JJB-17	5.96	-	-	-	5.96	-	-	44.9177	-74.1168
W-JJB-18	0.06	-	-	-	0.06	-	-	44.9202	-74.1156
W-JJB-19	0.28	-	-	-	0.28	-	-	44.9225	-74.1134
W-JJB-20	0.19	-	-	-	0.19	S-JJB-17	29	44.9200	-74.1056
W-JJB-21	0.61	-	-	-	0.61	-	-	44.9195	-74.1051
W-JJB-22	0.56	-	-	-	0.56	-	-	44.9214	-74.1349
W-JJB-23	-	1.71	-	-	1.71	S-JJB-16	26	44.9226	-74.1248
W-NSD-1	1.55	-	-	-	1.55	-	-	44.9209	-74.1012
W-NSD-2	0.14	-	0.22	-	0.36	-	-	44.9202	-74.1025
W-NSD-3	4.23	-	-	-	4.23	-	-	44.9234	-74.1286
W-NSD-4	0.13	-	-	-	0.13	-	-	44.9250	-74.1294
W-NSD-5	0.91	-	-	-	0.91	-	-	44.9353	-74.1314

Wetland Field Designation	Cover Type Classification ¹ and Acreage				Total Wetland Acreage within Survey Area	Stream(s) Present Within Wetland	Linear Feet of Stream(s) Within Wetland	Latitude of Centroid	Longitude of Centroid
	PEM	PSS	PFO	PUB					
W-NSD-6	-	0.12	-	-	0.12	-	-	44.9156	-74.1343
W-WCR-1	-	-	2.60	-	2.60	S-NSD-1 S-WCR-2	38 876	44.9372	-74.1321
W-WCR-2	-	-	1.67	-	1.67	-	-	44.9249	-74.1378
W-WCR-3	-	-	0.63	-	0.63	S-WCR-1	473	44.9356	-74.1381
W-WCR-4	4.33	1.25	3.08	-	8.66	-	-	44.9251	-74.1101
W-WCR-5	3.73	-	0.5	-	4.23	-	-	44.9245	-74.1161
W-WCR-6	0.21	-	-	-	0.21	-	-	44.9271	-74.1178
W-WCR-7	-	-	0.47	-	0.47	S-BBP-1	201	44.9126	-74.1383
W-RDS-2	-	-	0.11	-	0.11	S-WCR-6	82	44.9273	-74.1084
W-RDS-3	-	0.70	-	-	0.70	S-WCR-6	345	44.9282	-74.1090
Total Wetland Acreage Delineated:					73.15	Total Linear Feet	6,597		

5.3 Delineated Streams

A total of 25 stream reaches were delineated within the Project Area (Table 4). Stream characterization is dependent on their usual level of flow regime. Perennial streams tend to flow throughout the year, except during severe drought conditions. They can flow below the water table and receive groundwater sources from springs or groundwater seepages on slopes. Intermittent streams flow only during certain times of year from alternating springs, snow melt, or from seasonal precipitation runoff. Ephemeral streams flow sporadically and are entirely dependent on precipitation from storm events or periodic snow melts. They tend to flow above the water table and are often found as drainage features adjacent to or within the headwaters of a more major stream system.

Within the Project Area, seven streams were recorded as perennial, four were observed to be ephemeral streams, and 14 were observed to have intermittent flow regimes. Stream substrates on site typically include silt and clay, and in some cases cobble or gravel. The majority of streams were recorded with a gentle (<2 percent) gradient, with one stream, S-NSD-1, observed to have a moderate (4-6 percent) gradient. The majority of streams had a depth of 0-6 inches. Average width at the ordinary high water mark ranged from 2-6 feet for the majority of the features.

Table 4. Delineated Streams within the Project Area

Stream Field Designation	Flow Regime Classification	Linear Feet within Project Area	NYSDEC Classification	Associated Buffer	Waterbody ID Number (WIN)	Stream Order ³	Latitude of Centroid	Longitude of Centroid
S-BBP-1	Intermittent	228.05	-	-	SL(C)-21	1	44.9126	-74.1383
S-BBP-3	Perennial	103.19	Class C(T)	50'	SL(C)-21	1	44.9125	-74.1379
S-JJB-1	Perennial	5470.67	Class D	-	SL(C)-21	1,2	44.9221	-74.1324
S-JJB-2	Perennial	2780.06	Class C(T)	50'	SL(C)-21	1,2,3	44.9161	-74.1378
S-JJB-4	Intermittent	257.95	-	-	-	1	44.9344	-74.1268
S-JJB-5	Intermittent	636.44	-	-	-	1	44.9192	-74.1315
S-JJB-6	Intermittent	247.66	-	-	-	1	44.9181	-74.1311
S-JJB-7	Intermittent	53.05	-	-	-	1	44.9198	-74.1281
S-JJB-8	Intermittent	127.24	-	-	-	1	44.9194	-74.1271
S-JJB-9	Intermittent	264.57	-	-	-	1	44.9153	-74.1350
S-JJB-11	Perennial	1234.90	Class C(T)	50'	SL(C)-21	1	44.9194	-74.1363
S-JJB-12	Perennial	500.76	Class C(T)	50'	-	1	44.9178	-74.1335
S-JJB-13	Perennial	85.09	-	-	-	1	44.9183	-74.1363
S-JJB-14	Perennial	1535.43	Class C(T)	50'	SL(C)-21	1,2	44.9200	-74.1364
S-JJB-16	Intermittent	909.13	-	-	SL(C)-21	1	44.9214	-74.1237
S-JJB-17	Intermittent	1636.11	-	-	-	1	44.9196	-74.1089
S-NSD-1	Intermittent	398.7	-	-	-	1	44.9367	-74.1318
S-WCR-1	Ephemeral	1466.56	Class D	-	SL(C)-21	1	44.9346	-74.1360

Stream Field Designation	Flow Regime Classification	Linear Feet within Project Area	NYSDEC Classification	Associated Buffer	Waterbody ID Number (WIN)	Stream Order ³	Latitude of Centroid	Longitude of Centroid
S-WCR-2	Intermittent	3110.04	Class C(T)	50'	SL(C)-21	1,2	44.9351	-74.1276
S-WCR-4	Ephemeral	1764.44	-	-	SL(C)-21	1	44.9289	-74.1157
S-WCR-6	Ephemeral	1,927.7	-	-	-	1	44.9303	-74.1107
S-WCR-7	Intermittent	131.82	-	-	-	1	44.9183	-74.1229
S-WCR-8	Ephemeral	770.00	-	-	-	1	44.9156	-74.1291
S-WCR-9	Intermittent	625.39	-	-	-	1	44.9192	-74.1297
S-WCR-10	Intermittent	373.33	-	-	-	1	44.9222	-74.1269
Total Stream Length Delineated (ft):		29,244.69						

6.0 CONCLUSIONS

TRC delineated a total of 38 wetlands within the Project Area during the field study conducted from June 8 through June 17, October 6, December 14, 2020, and May 24th, 2021. In total, these features comprise 73.15 acres of wetland area within Project Area boundaries. Of these wetlands, there were nine with PFO characteristics (10.53 acres), ten wetlands with PSS characteristics (20.69 acres), 25 with PEM characteristics (41.78 acres), and one with PUB characteristics (0.15 acres).

TRC also identified 25 streams within the Project Area, totaling 29,244.69 linear feet. These include seven perennial streams, 14 intermittent streams, and four ephemeral streams.

Final determination of the jurisdictional status of the wetlands and streams identified in the Project Area must be made upon completion of a detailed review by the USACE and NYSDEC.

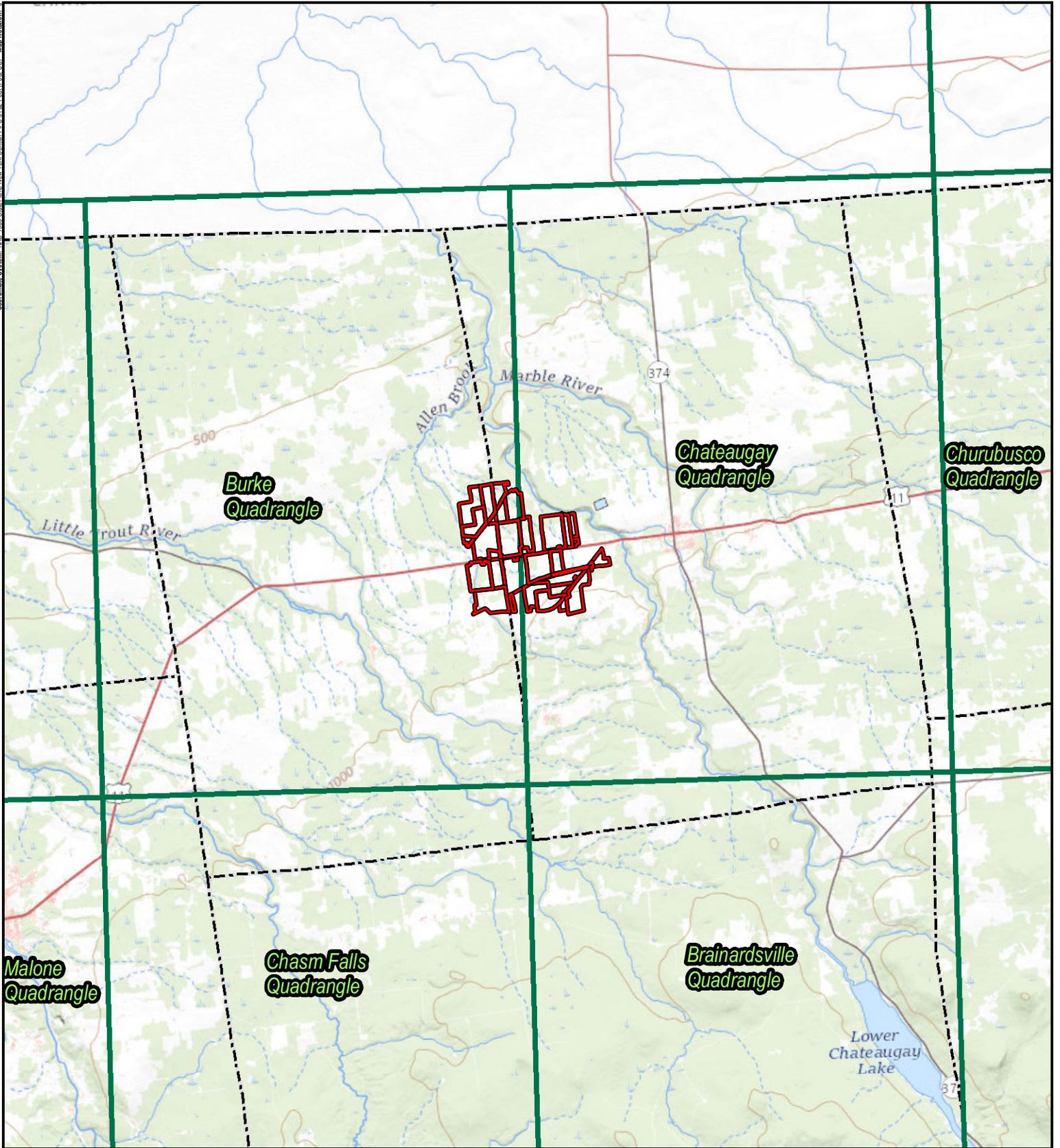
7.0 REFERENCES

- Bailey, R.G. 1995. Description of the ecoregions of the United States. Miscellaneous Publication No. 1391. Second edition, revised. Washington, DC: USDA Forest Service.
- Browne, S., Crocoll, S., Goetke, D., Heaslip, N., Kerpez, T., Kogut, K., Sanford, S., and D. Spasa. 1995. New York State Freshwater Wetlands Delineation Manual. New York State Department of Environmental Conservation, Division of Fish and Wildlife, Bureau of Habitat, Albany, NY.
- Bryce, S.A., Griffith, G.E., Omernik, J.M., Edinger, G., Indick, S., Vargas, O., and Carlson, D. 2010. Ecoregions of New York (color poster with map descriptive text, summary tables, and photographs): Reston, Virginia, U.S. geological Survey, map scale 1:1,250,000. Accessed September 10, 2020, at: http://ecologicalregions.info/data/ny/NY_front.pdf
- Edinger, G.J., Evans, D.J., Gebauer, S., Howard, T.G., Hunt, D.M., and A.M., Olivero. 2014. Ecological Communities of New York State, Second Edition. New York Heritage Program, NYS Department of Environmental Conservation, Albany, NY, 160 pp.
- Environmental Laboratory. 1987. Corps of Engineers Wetland Delineation Manual. Technical Report Y-87-1. U.S. Army Corps of Engineers: Waterways Experiment Station; Vicksburg, MS.
- Federal Emergency Management Agency (FEMA). 2020. FEMA Flood Map Service Center: Welcome! Accessed September 10, 2020 at: <https://msc.fema.gov/portal/home>
- Federal Geographic Data Committee. 2013. Classification of wetlands and deepwater habitats of the United States. FGDC-STD-004-2013. Second Edition. Wetlands Subcommittee, Federal Geographic Data Committee and U.S. Fish and Wildlife Service, Washington, DC.
- Munsell Color. 2015. Munsell Soil Color Book. X-Rite Corporation, Grand Rapids, MI.
- NYSDEC. 2014a. Environmental Resource Mapper. Accessed August 2020 at: <https://gisservices.dec.ny.gov/gis/erm/>.
- NYSDEC. 2014b. Lake Ontario and Minor Tributaries Watershed. Accessed August 11, 2020 at: <https://www.dec.ny.gov/lands/48368.html>.
- NYSDEC. 2008. Lake Ontario and Minor Water Inventory/Priority Waterbodies List. Accessed September 10, 2020, at: <https://www.dec.ny.gov/chemical/36741.html>
- Thien, S.J. 1979. A flow diagram for teaching texture by feel analysis. Journal of Agronomic Education. 8:54-55.
- U.S. Army Corps of Engineers (USACE). 2018. National Wetland Plant List, version 3.4. Accessed September 2020 at: http://wetland-plants.usace.army.mil/nwpl_static/v34/home/home.html

- USACE. 2012. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0). U.S. Army Engineer Research and Development Center, Vicksburg, MS, 162 pp.
- U.S. Climate Data. 2020. Climate Watertown – New York and Weather Averages Watertown. Accessed September 17, 2020 at: <https://www.usclimatedata.com/climate/watertown/new-york/united-states/usny1525>
- U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS). 2019. Web Soil Survey. Accessed September 17, 2020, at: <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>.
- 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.
- USDA NRCS. 2006. Land Resources Regions and Major Land Resource Areas of the United States, the Caribbean, and the Pacific Basin. USDA Handbook 296.
- United States Department of the Interior, Geological Survey (USGS). National Hydrography Dataset. <https://nhd.usgs.gov/> Modified February 16, 2017.
- U.S. Environmental Protection Agency (USEPA). 2017. WATERS GeoViewer. Accessed August 11-14, 2020, at: <https://www.epa.gov/waterdata/waters-geoviewer>
- U.S. Fish and Wildlife Service (USFWS). 2020. National Wetland Inventory (NWI) Wetlands Mapper. Accessed September 17, 2020, at: <https://www.fws.gov/wetlands/data/mapper.html>
- USGS. 2018. The National Map – Advanced Viewer. Accessed September, 2020 at <https://viewer.nationalmap.gov/advanced-viewer/>.

APPENDIX A

Figures



LEGEND

- PROJECT AREA
- USGS 24K QUAD BOUNDARY
- TOWN BOUNDARY

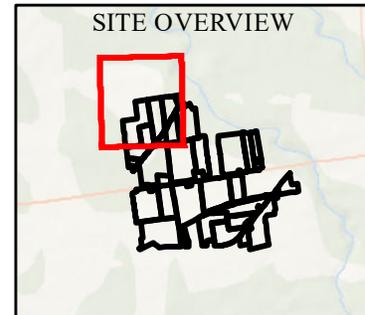
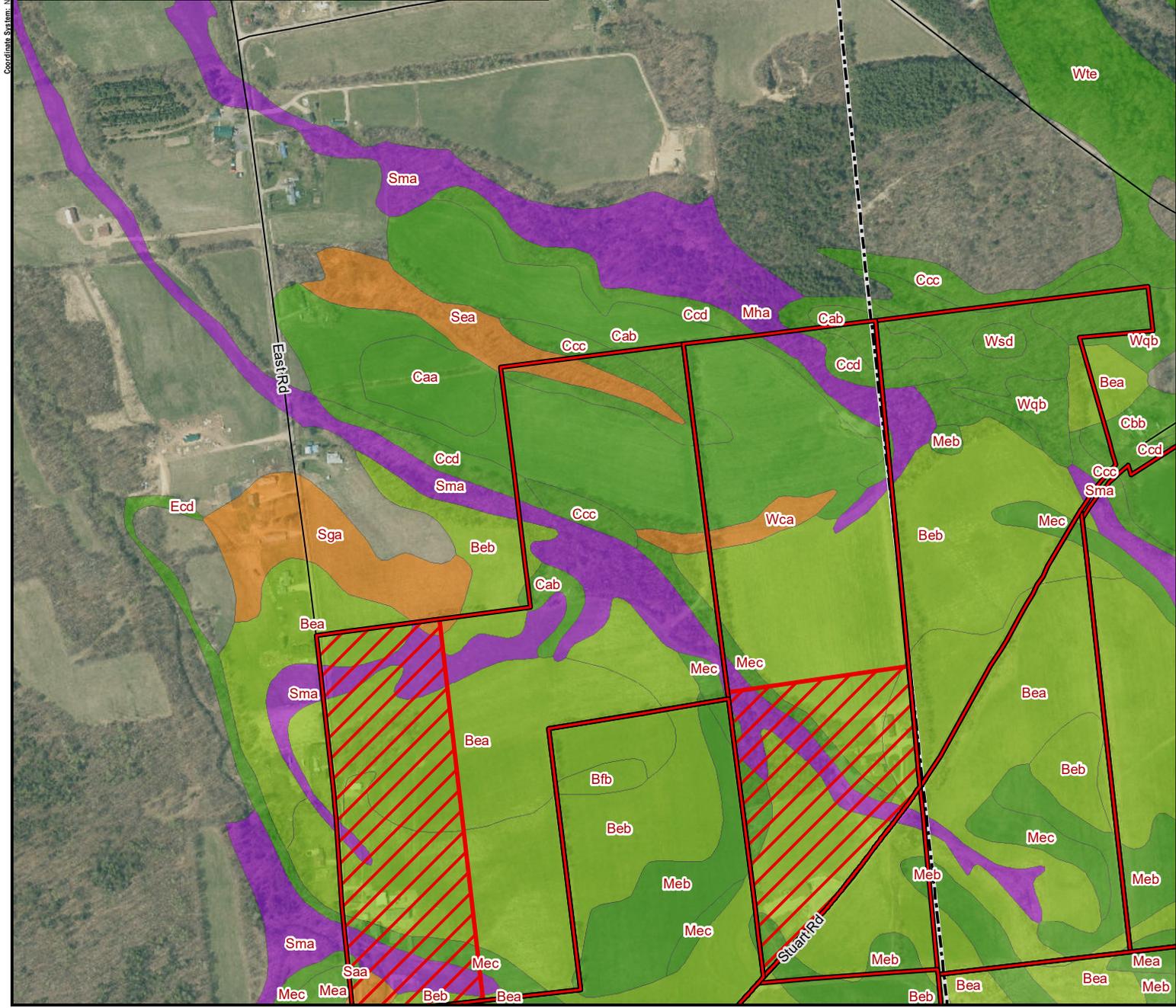
1:120,000
1" = 10,000'

1. BASEMAP IMAGERY FROM ESRI
USGS TOPO MAP SERVICE.

PROJECT: BROOKSIDE SOLAR LLC	
TOWNS OF BURKE AND CHATEAUGAY	
FRANKLIN COUNTY, NY	
SITE LOCATION MAP	
DRAWN BY: D. BARLEY	PROJECT NO: 373210
CHECKED BY: A. KAILAS	
APPROVED BY: H. EFFLER	
DATE: JUNE 2021	
TRC 215 GREENFIELD PKWY, STE 102 LIVERPOOL, NY 13088	FIGURE 1 aes

Mapunit Symbol	Soil Mapunit Name
Bea	Brayton stony loam, 0 to 3 percent slopes
Beb	Brayton stony loam, 3 to 8 percent slopes
Bfb	Brayton very stony loam, 0 to 8 percent slopes
Cbb	Colton and Constable cobbly loamy sands, 3 to 8 percent slopes
Tda	Tughill and Dannemora very stony very fine sandy loams, 0 to 3 percent slopes
Ccd	Colton and Constable gravelly and cobbly loamy sands, 15 to 25 percent slopes
Ccc	Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes
Caa	Colton and Constable gravelly loamy sands, 0 to 3 percent slopes
Cab	Colton and Constable gravelly loamy sands, 3 to 8 percent slopes
Daa	Duane gravelly sandy loam, 0 to 3 percent slopes
Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
Mha	Muck, shallow
Ecd	Empeyville very fine sandy loam, 15 to 25 percent slopes, stony
Eab	Empeyville very fine sandy loam, 3 to 8 percent slopes, stony
Eac	Empeyville very fine sandy loam, 8 to 15 percent slopes, stony
Ecd	Empeyville very fine sandy loam, 8 to 25 percent slopes, very stony
Qu	Quarries

Mapunit Symbol	Soil Mapunit Name
Sma	Runeberg soils, 0 to 5 percent slopes
Sna	Runeberg soils, 0 to 5 percent slopes, very stony
Mea	Moirra stony loam, 0 to 3 percent slopes
Meb	Moirra stony loam, 3 to 8 percent slopes
Saa	Saco and Sloan soils, 0 to 2 percent slopes
Wca	Walpole sandy loam, 0 to 6 percent slopes
W	Water
Mec	Moirra stony loam, 8 to 15 percent slopes
Sea	Scarboro fine sandy loam, 0 to 3 percent slopes
Sga	Scarboro loam, neutral variant, over till or clay, 0 to 3 percent slopes
Tca	Tughill and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wma	Westbury and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wmb	Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes
Wte	Worth very fine sandy loam, 25 to 60 percent slopes, very stony
Wqb	Worth very fine sandy loam, 3 to 8 percent slopes, stony
Wsd	Worth very fine sandy loam, 8 to 25 percent slopes, very stony



LEGEND

- PROJECT PARCEL
- NON-LEASE AREA
- VILLAGE BOUNDARY
- TOWN BOUNDARY
- HYDRIC RATING (0 TO 3%)
- HYDRIC RATING (4 TO 10%)
- HYDRIC RATING (11 TO 45%)
- HYDRIC RATING (46 TO 90%)
- HYDRIC RATING (91 TO 100%)

1:8,010
1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE.

PROJECT: **BROOKSIDE SOLAR LLC
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY**

TITLE: **SOILS MAP**

DRAWN BY: D. BARLEY PROJECT NO.: 373210
 CHECKED BY: A. KAILAS
 APPROVED BY: H. EFFLER
 DATE: JUNE 2021

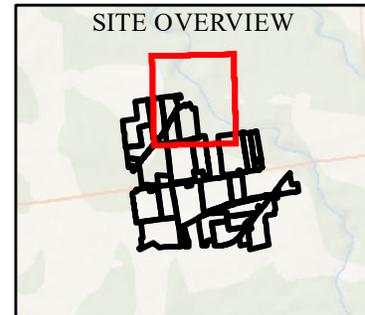
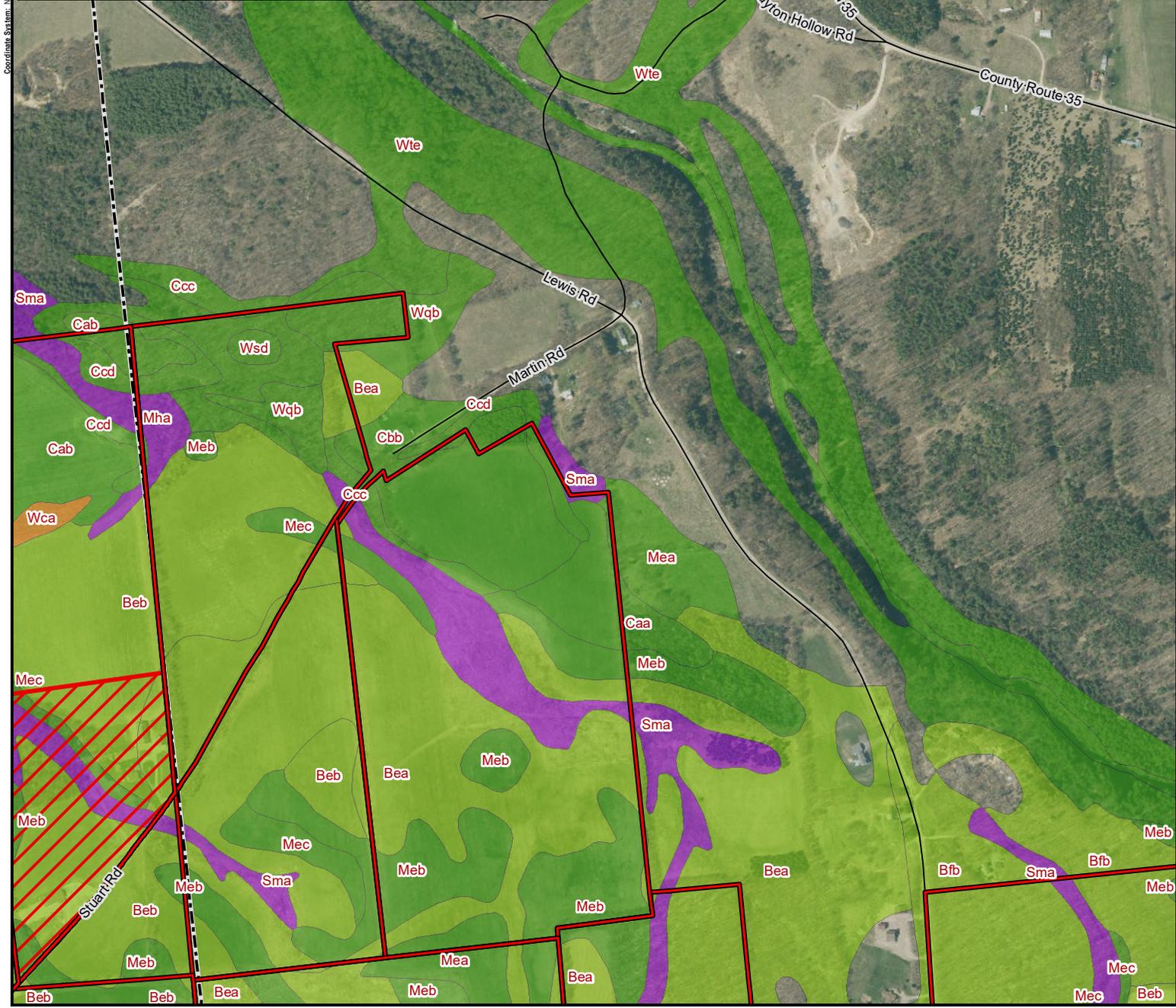
**FIGURE 2
SHEET 1 OF 10**

TRC
215 GREENFIELD PKWY., STE 102
LIVERPOOL, NY 13088

aes

Mapunit Symbol	Soil Mapunit Name
Bea	Brayton stony loam, 0 to 3 percent slopes
Beb	Brayton stony loam, 3 to 8 percent slopes
Bfb	Brayton very stony loam, 0 to 8 percent slopes
Cbb	Colton and Constable cobbly loamy sands, 3 to 8 percent slopes
Tda	Tughill and Dannemora very stony very fine sandy loams, 0 to 3 percent slopes
Ccd	Colton and Constable gravelly and cobbly loamy sands, 15 to 25 percent slopes
Ccc	Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes
Caa	Colton and Constable gravelly loamy sands, 0 to 3 percent slopes
Cab	Colton and Constable gravelly loamy sands, 3 to 8 percent slopes
Daa	Duane gravelly sandy loam, 0 to 3 percent slopes
Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
Mha	Muck, shallow
Ecd	Empeyville very fine sandy loam, 15 to 25 percent slopes, stony
Eab	Empeyville very fine sandy loam, 3 to 8 percent slopes, stony
Eac	Empeyville very fine sandy loam, 8 to 15 percent slopes, stony
Edc	Empeyville very fine sandy loam, 8 to 25 percent slopes, very stony
Qu	Quarries

Mapunit Symbol	Soil Mapunit Name
Sma	Runeberg soils, 0 to 5 percent slopes
Sna	Runeberg soils, 0 to 5 percent slopes, very stony
Mea	Moirra stony loam, 0 to 3 percent slopes
Meb	Moirra stony loam, 3 to 8 percent slopes
Saa	Saco and Sloan soils, 0 to 2 percent slopes
Wca	Walpole sandy loam, 0 to 6 percent slopes
W	Water
Mec	Moirra stony loam, 8 to 15 percent slopes
Sea	Scarboro fine sandy loam, 0 to 3 percent slopes
Sga	Scarboro loam, neutral variant, over till or clay, 0 to 3 percent slopes
Tca	Tughill and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wma	Westbury and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wmb	Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes
Wte	Worth very fine sandy loam, 25 to 60 percent slopes, very stony
Wqb	Worth very fine sandy loam, 3 to 8 percent slopes, stony
Wsd	Worth very fine sandy loam, 8 to 25 percent slopes, very stony



LEGEND

- PROJECT PARCEL
- NON-LEASE AREA
- VILLAGE BOUNDARY
- TOWN BOUNDARY
- HYDRIC RATING (0 TO 3%)
- HYDRIC RATING (4 TO 10%)
- HYDRIC RATING (11 TO 45%)
- HYDRIC RATING (46 TO 90%)
- HYDRIC RATING (91 TO 100%)

1:8,010
1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI "WORLD IMAGERY" MAP SERVICE.

PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **SOILS MAP**

DRAWN BY: D. BARLEY PROJECT NO.: 373210
 CHECKED BY: A. KAILAS
 APPROVED BY: H. EFFLER
 DATE: JUNE 2021

FIGURE 2
SHEET 2 OF 10

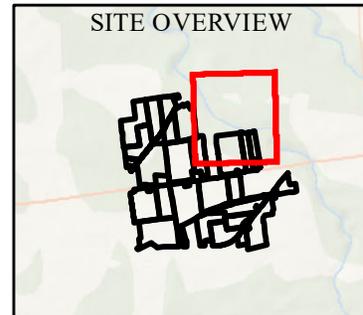
TRC
215 GREENFIELD PKWY., STE 102
LIVERPOOL, NY 13088

aes

Coordinate System: NAD_1983_StatePlane_New_York_East_FIPS_3101_Feet (Foot, US) Map Rotation: 0

Mapunit Symbol	Soil Mapunit Name
Bea	Brayton stony loam, 0 to 3 percent slopes
Beb	Brayton stony loam, 3 to 8 percent slopes
Bfb	Brayton very stony loam, 0 to 8 percent slopes
Cbb	Colton and Constable cobbly loamy sands, 3 to 8 percent slopes
Tda	Tughill and Dannemora very stony very fine sandy loams, 0 to 3 percent slopes
Ccd	Colton and Constable gravelly and cobbly loamy sands, 15 to 25 percent slopes
Ccc	Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes
Caa	Colton and Constable gravelly loamy sands, 0 to 3 percent slopes
Cab	Colton and Constable gravelly loamy sands, 3 to 8 percent slopes
Daa	Duane gravelly sandy loam, 0 to 3 percent slopes
Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
Mha	Muck, shallow
Ecd	Empeyville very fine sandy loam, 15 to 25 percent slopes, stony
Eab	Empeyville very fine sandy loam, 3 to 8 percent slopes, stony
Eac	Empeyville very fine sandy loam, 8 to 15 percent slopes, stony
Edc	Empeyville very fine sandy loam, 8 to 25 percent slopes, very stony
Qu	Quarries

Mapunit Symbol	Soil Mapunit Name
Sma	Runeberg soils, 0 to 5 percent slopes
Sna	Runeberg soils, 0 to 5 percent slopes, very stony
Mea	Moirra stony loam, 0 to 3 percent slopes
Meb	Moirra stony loam, 3 to 8 percent slopes
Saa	Saco and Sloan soils, 0 to 2 percent slopes
Wca	Walpole sandy loam, 0 to 6 percent slopes
W	Water
Mec	Moirra stony loam, 8 to 15 percent slopes
Sea	Scarboro fine sandy loam, 0 to 3 percent slopes
Sga	Scarboro loam, neutral variant, over till or clay, 0 to 3 percent slopes
Tca	Tughill and Dannemora very fine sandy loams, 0 to 3 percent slopes
Wma	Westbury and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wmb	Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes
Wte	Worth very fine sandy loam, 25 to 60 percent slopes, very stony
Wqb	Worth very fine sandy loam, 3 to 8 percent slopes, stony
Wsd	Worth very fine sandy loam, 8 to 25 percent slopes, very stony



LEGEND

- PROJECT PARCEL
- NON-LEASE AREA
- VILLAGE BOUNDARY
- TOWN BOUNDARY
- HYDRIC RATING (0 TO 3%)
- HYDRIC RATING (4 TO 10%)
- HYDRIC RATING (11 TO 45%)
- HYDRIC RATING (46 TO 90%)
- HYDRIC RATING (91 TO 100%)

1:8,010
1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE.

PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **SOILS MAP**

DRAWN BY: D. BARLEY PROJECT NO: 373210
CHECKED BY: A. KAILAS
APPROVED BY: H. EFFLER
DATE: JUNE 2021

FIGURE 2
SHEET 3 OF 10

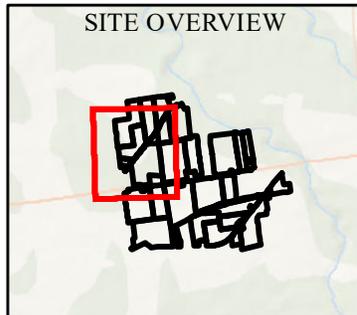
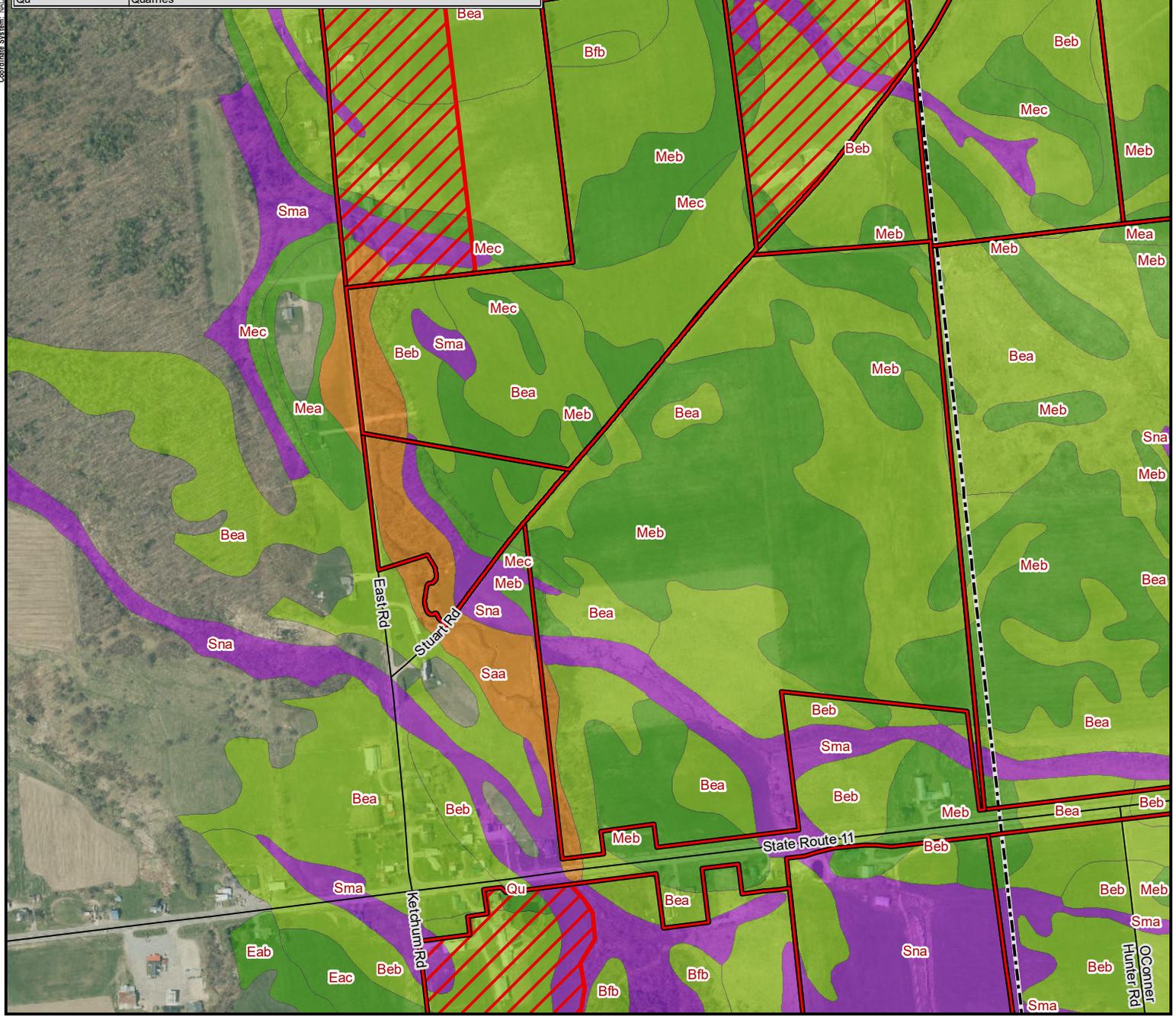
TRC
215 GREENFIELD PKWY., STE 102
LIVERPOOL, NY 13088

aes

Map Rotation: 0
 Coordinate System: NAD_1983_StatePlane_New_York_East_FPS_3101_Feet (Foot, US)

Mapunit Symbol	Soil Mapunit Name
Bea	Brayton stony loam, 0 to 3 percent slopes
Beb	Brayton stony loam, 3 to 8 percent slopes
Bfb	Brayton very stony loam, 0 to 8 percent slopes
Cbb	Colton and Constable cobbly loamy sands, 3 to 8 percent slopes
Tda	Tughill and Dannemora very stony very fine sandy loams, 0 to 3 percent slopes
Ccd	Colton and Constable gravelly and cobbly loamy sands, 15 to 25 percent slopes
Ccc	Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes
Caa	Colton and Constable gravelly loamy sands, 0 to 3 percent slopes
Cab	Colton and Constable gravelly loamy sands, 3 to 8 percent slopes
Daa	Duane gravelly sandy loam, 0 to 3 percent slopes
Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
Mha	Muck, shallow
Ecd	Empeyville very fine sandy loam, 15 to 25 percent slopes, stony
Eab	Empeyville very fine sandy loam, 3 to 8 percent slopes, stony
Eac	Empeyville very fine sandy loam, 8 to 15 percent slopes, stony
Ecd	Empeyville very fine sandy loam, 8 to 25 percent slopes, very stony
Qu	Quarries

Mapunit Symbol	Soil Mapunit Name
Sma	Runeberg soils, 0 to 5 percent slopes
Sna	Runeberg soils, 0 to 5 percent slopes, very stony
Mea	Moira stony loam, 0 to 3 percent slopes
Meb	Moira stony loam, 3 to 8 percent slopes
Saa	Saco and Sloan soils, 0 to 2 percent slopes
Wca	Walpole sandy loam, 0 to 6 percent slopes
W	Water
Mec	Moira stony loam, 8 to 15 percent slopes
Sea	Scarboro fine sandy loam, 0 to 3 percent slopes
Sga	Scarboro loam, neutral variant, over till or clay, 0 to 3 percent slopes
Tca	Tughill and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wma	Westbury and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wmb	Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes
Wte	Worth very fine sandy loam, 25 to 60 percent slopes, very stony
Wqb	Worth very fine sandy loam, 3 to 8 percent slopes, stony
Wsd	Worth very fine sandy loam, 8 to 25 percent slopes, very stony



LEGEND

- PROJECT PARCEL
- NON-LEASE AREA
- VILLAGE BOUNDARY
- TOWN BOUNDARY
- HYDRIC RATING (0 TO 3%)
- HYDRIC RATING (4 TO 10%)
- HYDRIC RATING (11 TO 45%)
- HYDRIC RATING (46 TO 90%)
- HYDRIC RATING (91 TO 100%)

1:8,010
 1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI
 "WORLD IMAGERY" MAP SERVICE.

PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **SOILS MAP**

DRAWN BY: D. BARLEY PROJECT NO.: 373210
 CHECKED BY: A. KAILAS
 APPROVED BY: H. EFFLER
 DATE: JUNE 2021

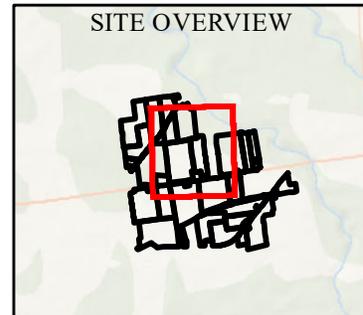
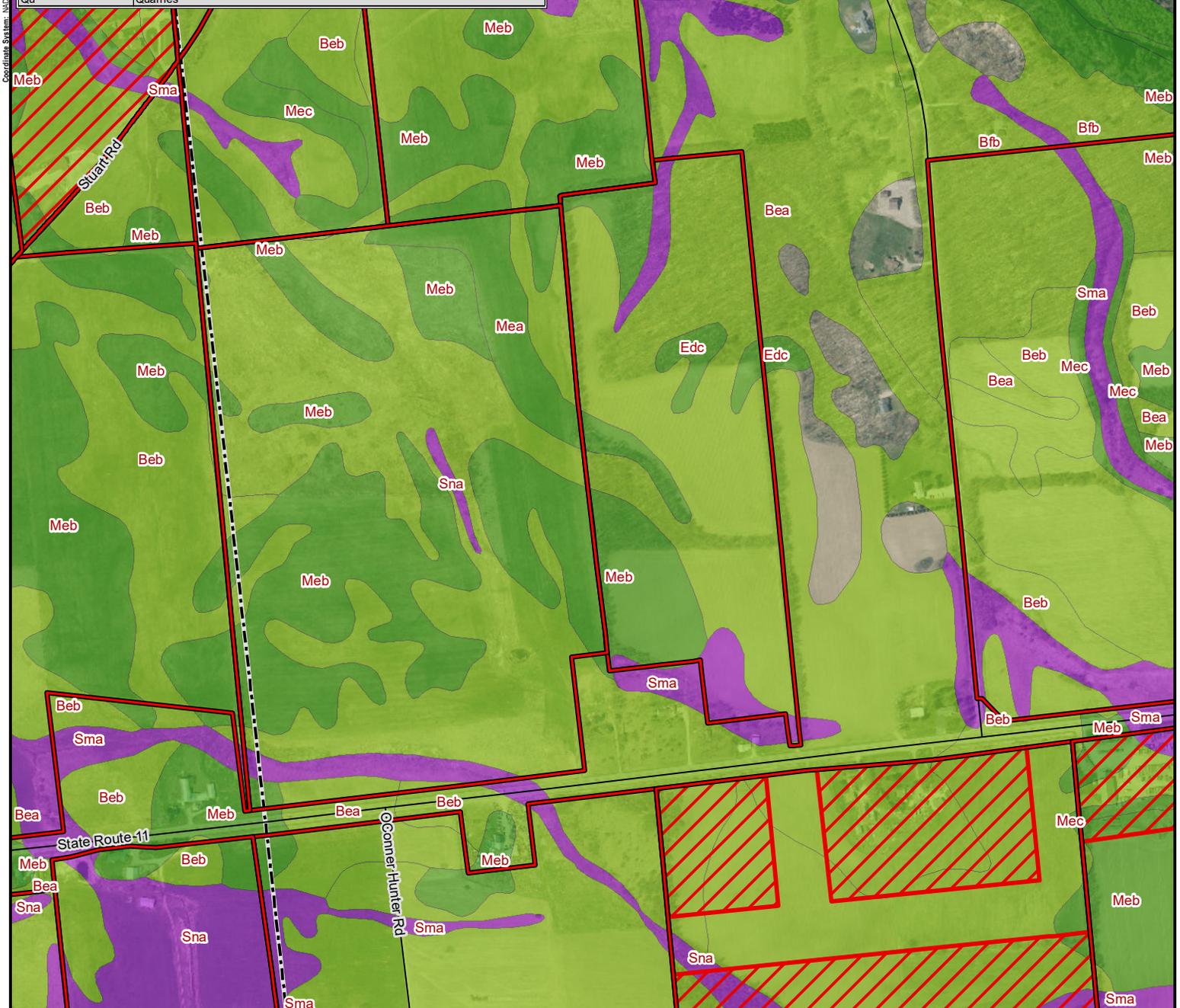
FIGURE 2
SHEET 4 OF 10

TRC
 215 GREENFIELD PKWY., STE 102
 LIVERPOOL, NY 13088

aes

Mapunit Symbol	Soil Mapunit Name
Bea	Brayton stony loam, 0 to 3 percent slopes
Beb	Brayton stony loam, 3 to 8 percent slopes
Bfb	Brayton very stony loam, 0 to 8 percent slopes
Cbb	Colton and Constable cobbly loamy sands, 3 to 8 percent slopes
Tda	Tughill and Dannemora very stony very fine sandy loams, 0 to 3 percent slopes
Ccd	Colton and Constable gravelly and cobbly loamy sands, 15 to 25 percent slopes
Ccc	Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes
Caa	Colton and Constable gravelly loamy sands, 0 to 3 percent slopes
Cab	Colton and Constable gravelly loamy sands, 3 to 8 percent slopes
Daa	Duane gravelly sandy loam, 0 to 3 percent slopes
Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
Mha	Muck, shallow
Ecd	Empeyville very fine sandy loam, 15 to 25 percent slopes, stony
Eab	Empeyville very fine sandy loam, 3 to 8 percent slopes, stony
Eac	Empeyville very fine sandy loam, 8 to 15 percent slopes, stony
Edc	Empeyville very fine sandy loam, 8 to 25 percent slopes, very stony
Qu	Quarries

Mapunit Symbol	Soil Mapunit Name
Sma	Runeberg soils, 0 to 5 percent slopes
Sna	Runeberg soils, 0 to 5 percent slopes, very stony
Mea	Moirra stony loam, 0 to 3 percent slopes
Meb	Moirra stony loam, 3 to 8 percent slopes
Saa	Saco and Sloan soils, 0 to 2 percent slopes
Wca	Walpole sandy loam, 0 to 6 percent slopes
W	Water
Mec	Moirra stony loam, 8 to 15 percent slopes
Sea	Scarboro fine sandy loam, 0 to 3 percent slopes
Sga	Scarboro loam, neutral variant, over till or clay, 0 to 3 percent slopes
Tca	Tughill and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wma	Westbury and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wmb	Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes
Wte	Worth very fine sandy loam, 25 to 60 percent slopes, very stony
Wqb	Worth very fine sandy loam, 3 to 8 percent slopes, stony
Wsd	Worth very fine sandy loam, 8 to 25 percent slopes, very stony



LEGEND

- PROJECT PARCEL
- NON-LEASE AREA
- VILLAGE BOUNDARY
- TOWN BOUNDARY
- HYDRIC RATING (0 TO 3%)
- HYDRIC RATING (4 TO 10%)
- HYDRIC RATING (11 TO 45%)
- HYDRIC RATING (46 TO 90%)
- HYDRIC RATING (91 TO 100%)

1:8,010
1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE.

PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **SOILS MAP**

DRAWN BY: D. BARLEY PROJECT NO.: 373210
 CHECKED BY: A. KAILAS
 APPROVED BY: H. EFFLER
 DATE: JUNE 2021

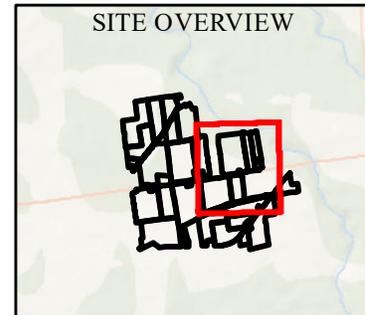
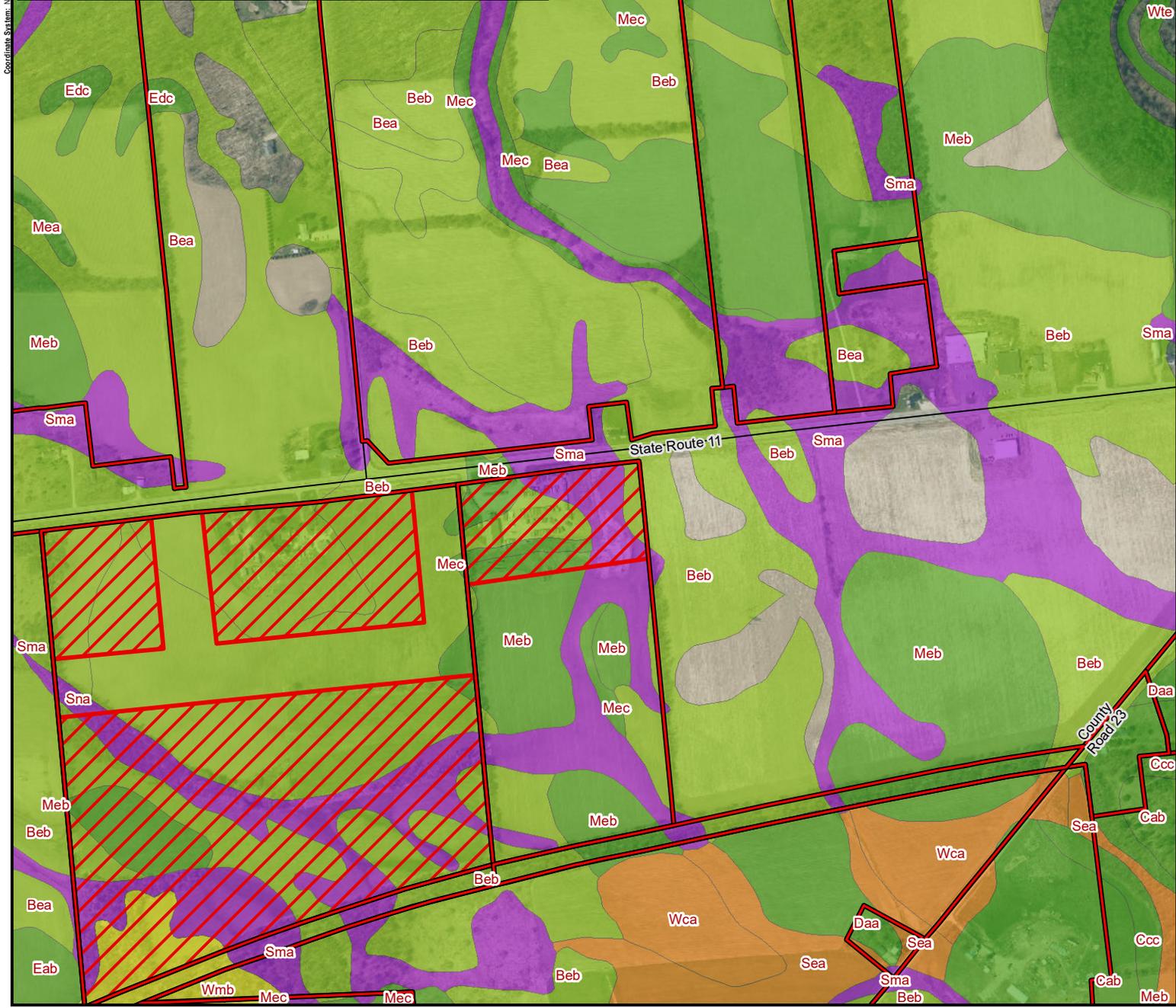
FIGURE 2
SHEET 5 OF 10

TRC
215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088

aes

Mapunit Symbol	Soil Mapunit Name
Bea	Brayton stony loam, 0 to 3 percent slopes
Beb	Brayton stony loam, 3 to 8 percent slopes
Bfb	Brayton very stony loam, 0 to 8 percent slopes
Cbb	Colton and Constable cobbly loamy sands, 3 to 8 percent slopes
Tda	Tughill and Dannemora very stony very fine sandy loams, 0 to 3 percent slopes
Ccd	Colton and Constable gravelly and cobbly loamy sands, 15 to 25 percent slopes
Ccc	Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes
Caa	Colton and Constable gravelly loamy sands, 0 to 3 percent slopes
Cab	Colton and Constable gravelly loamy sands, 3 to 8 percent slopes
Daa	Duane gravelly sandy loam, 0 to 3 percent slopes
Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
Mha	Muck, shallow
Ecd	Empeyville very fine sandy loam, 15 to 25 percent slopes, stony
Eab	Empeyville very fine sandy loam, 3 to 8 percent slopes, stony
Eac	Empeyville very fine sandy loam, 8 to 15 percent slopes, stony
Edc	Empeyville very fine sandy loam, 8 to 25 percent slopes, very stony
Qu	Quarries

Mapunit Symbol	Soil Mapunit Name
Sma	Runeberg soils, 0 to 5 percent slopes
Sna	Runeberg soils, 0 to 5 percent slopes, very stony
Mea	Moirra stony loam, 0 to 3 percent slopes
Meb	Moirra stony loam, 3 to 8 percent slopes
Saa	Saco and Sloan soils, 0 to 2 percent slopes
Wca	Walpole sandy loam, 0 to 6 percent slopes
W	Water
Mec	Moirra stony loam, 8 to 15 percent slopes
Sea	Scarboro fine sandy loam, 0 to 3 percent slopes
Sga	Scarboro loam, neutral variant, over till or clay, 0 to 3 percent slopes
Tca	Tughill and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wma	Westbury and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wmb	Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes
Wte	Worth very fine sandy loam, 25 to 60 percent slopes, very stony
Wqb	Worth very fine sandy loam, 3 to 8 percent slopes, stony
Wsd	Worth very fine sandy loam, 8 to 25 percent slopes, very stony



LEGEND

- PROJECT PARCEL
- NON-LEASE AREA
- VILLAGE BOUNDARY
- TOWN BOUNDARY
- HYDRIC RATING (0 TO 3%)
- HYDRIC RATING (4 TO 10%)
- HYDRIC RATING (11 TO 45%)
- HYDRIC RATING (46 TO 90%)
- HYDRIC RATING (91 TO 100%)

1:8,010
1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE.

PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **SOILS MAP**

DRAWN BY: D. BARLEY PROJECT NO.: 373210
 CHECKED BY: A. KAILAS
 APPROVED BY: H. EFFLER
 DATE: JUNE 2021

FIGURE 2
SHEET 6 OF 10

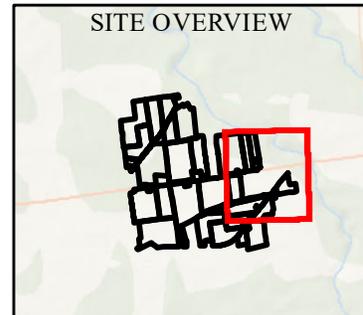
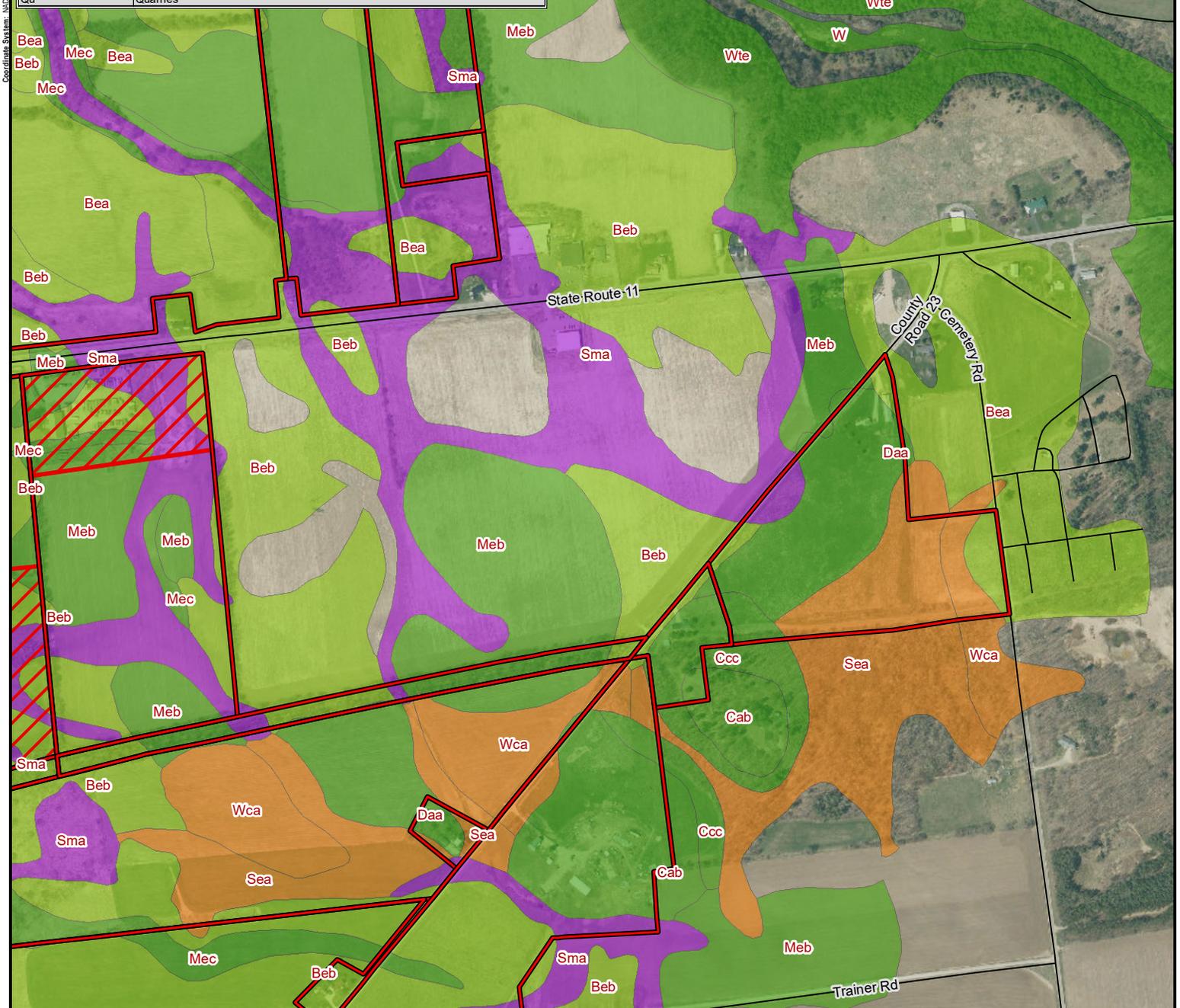
TRC
215 GREENFIELD PKWY., STE 102
LIVERPOOL, NY 13088

aes

Map Rotation: 0
 Coordinates System: NAD_1983_StatePlane_New_York_East_FIPS_3101_Feet (Foot, US)

Mapunit Symbol	Soil Mapunit Name
Bea	Brayton stony loam, 0 to 3 percent slopes
Beb	Brayton stony loam, 3 to 8 percent slopes
Bfb	Brayton very stony loam, 0 to 8 percent slopes
Cbb	Colton and Constable cobbly loamy sands, 3 to 8 percent slopes
Tda	Tughill and Dannemora very stony very fine sandy loams, 0 to 3 percent slopes
Ccd	Colton and Constable gravelly and cobbly loamy sands, 15 to 25 percent slopes
Ccc	Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes
Caa	Colton and Constable gravelly loamy sands, 0 to 3 percent slopes
Cab	Colton and Constable gravelly loamy sands, 3 to 8 percent slopes
Daa	Duane gravelly sandy loam, 0 to 3 percent slopes
Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
Mha	Muck, shallow
Ecd	Empeyville very fine sandy loam, 15 to 25 percent slopes, stony
Eab	Empeyville very fine sandy loam, 3 to 8 percent slopes, stony
Eac	Empeyville very fine sandy loam, 8 to 15 percent slopes, stony
Edc	Empeyville very fine sandy loam, 8 to 25 percent slopes, very stony
Qu	Quarries

Mapunit Symbol	Soil Mapunit Name
Sma	Runeberg soils, 0 to 5 percent slopes
Sna	Runeberg soils, 0 to 5 percent slopes, very stony
Mea	Moirra stony loam, 0 to 3 percent slopes
Meb	Moirra stony loam, 3 to 8 percent slopes
Saa	Saco and Sloan soils, 0 to 2 percent slopes
Wca	Walpole sandy loam, 0 to 6 percent slopes
W	Water
Mec	Moirra stony loam, 8 to 15 percent slopes
Sea	Scarboro fine sandy loam, 0 to 3 percent slopes
Sga	Scarboro loam, neutral variant, over till or clay, 0 to 3 percent slopes
Tca	Tughill and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wma	Westbury and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wmb	Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes
Wte	Worth very fine sandy loam, 25 to 60 percent slopes, very stony
Wqb	Worth very fine sandy loam, 3 to 8 percent slopes, stony
Wsd	Worth very fine sandy loam, 8 to 25 percent slopes, very stony



LEGEND

- PROJECT PARCEL
- NON-LEASE AREA
- VILLAGE BOUNDARY
- TOWN BOUNDARY
- HYDRIC RATING (0 TO 3%)
- HYDRIC RATING (4 TO 10%)
- HYDRIC RATING (11 TO 45%)
- HYDRIC RATING (46 TO 90%)
- HYDRIC RATING (91 TO 100%)

1:8,020
 1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI
 "WORLD IMAGERY" MAP SERVICE

PROJECT: **BROOKSIDE SOLAR LLC
 TOWNS OF BURKE AND CHATEAUGAY
 FRANKLIN COUNTY, NY**

TITLE: **SOILS MAP**

DRAWN BY: D. BARLEY PROJECT NO.: 373210
 CHECKED BY: A. KAILAS
 APPROVED BY: H. EFFLER
 DATE: JUNE 2021

**FIGURE 2
 SHEET 7 OF 10**

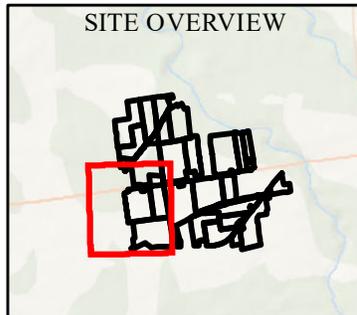
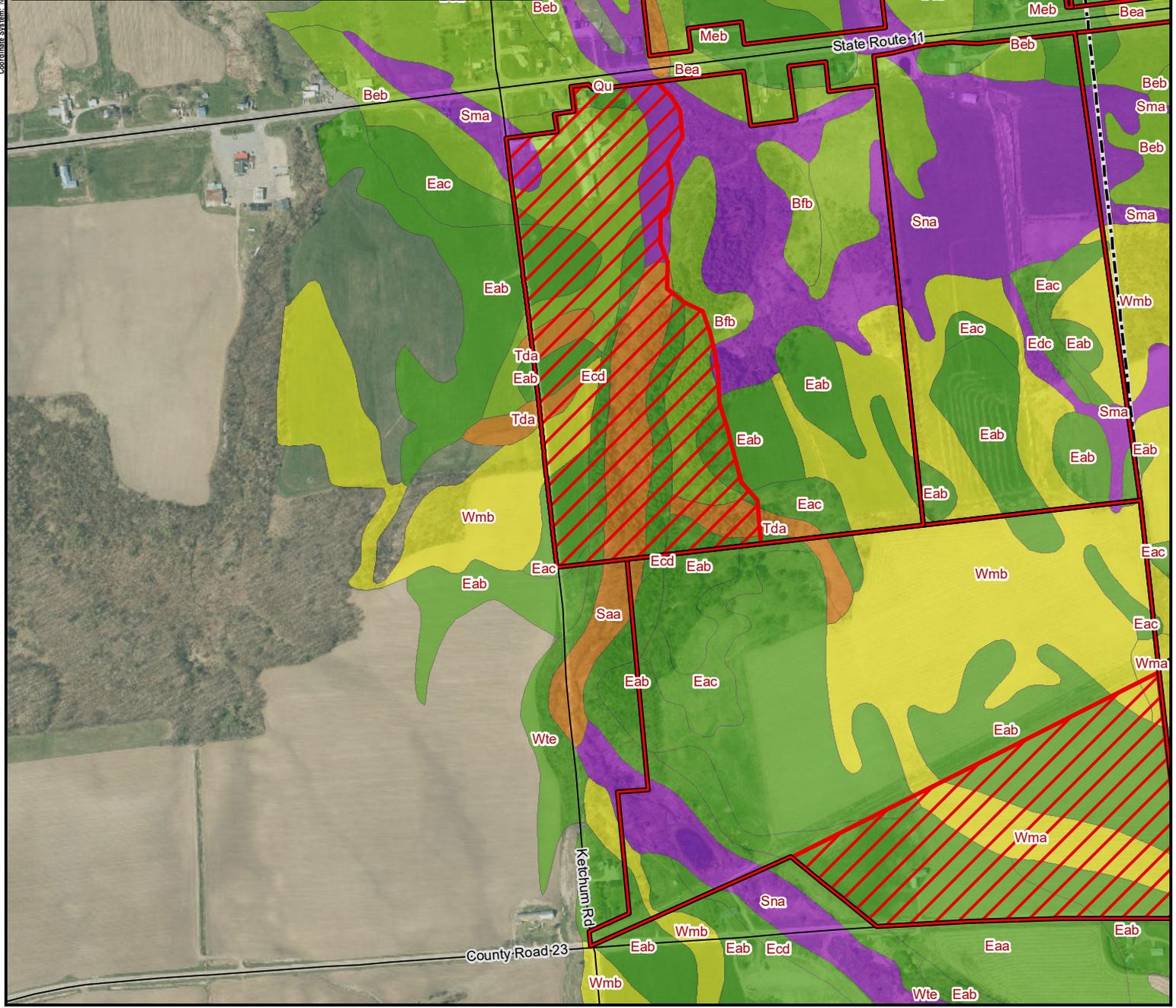
TRC
 215 GREENFIELD PKWY., STE 102
 LIVERPOOL, NY 13088

aes

Map Rotation: 0
 Coordinates System: NAD_1983_StatePlane_New_York_East_FIPS_3101_Feet (Foot, US)

Mapunit Symbol	Soil Mapunit Name
Bea	Brayton stony loam, 0 to 3 percent slopes
Beb	Brayton stony loam, 3 to 8 percent slopes
Bfb	Brayton very stony loam, 0 to 8 percent slopes
Cbb	Colton and Constable cobbly loamy sands, 3 to 8 percent slopes
Tda	Tughill and Dannemora very stony very fine sandy loams, 0 to 3 percent slopes
Ccd	Colton and Constable gravelly and cobbly loamy sands, 15 to 25 percent slopes
Ccc	Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes
Caa	Colton and Constable gravelly loamy sands, 0 to 3 percent slopes
Cab	Colton and Constable gravelly loamy sands, 3 to 8 percent slopes
Daa	Duane gravelly sandy loam, 0 to 3 percent slopes
Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
Mha	Muck, shallow
Ecd	Empeyville very fine sandy loam, 15 to 25 percent slopes, stony
Eab	Empeyville very fine sandy loam, 3 to 8 percent slopes, stony
Eac	Empeyville very fine sandy loam, 8 to 15 percent slopes, stony
Edc	Empeyville very fine sandy loam, 8 to 25 percent slopes, very stony
Qu	Quarries

Mapunit Symbol	Soil Mapunit Name
Sma	Runeberg soils, 0 to 5 percent slopes
Sna	Runeberg soils, 0 to 5 percent slopes, very stony
Mea	Moirra stony loam, 0 to 3 percent slopes
Meb	Moirra stony loam, 3 to 8 percent slopes
Saa	Saco and Sloan soils, 0 to 2 percent slopes
Wca	Walpole sandy loam, 0 to 6 percent slopes
W	Water
Mec	Moirra stony loam, 8 to 15 percent slopes
Sea	Scarboro fine sandy loam, 0 to 3 percent slopes
Sga	Scarboro loam, neutral variant, over till or clay, 0 to 3 percent slopes
Tca	Tughill and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wma	Westbury and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wmb	Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes
Wte	Worth very fine sandy loam, 25 to 60 percent slopes, very stony
Wqb	Worth very fine sandy loam, 3 to 8 percent slopes, stony
Wsd	Worth very fine sandy loam, 8 to 25 percent slopes, very stony



LEGEND

- PROJECT PARCEL
- NON-LEASE AREA
- VILLAGE BOUNDARY
- TOWN BOUNDARY
- HYDRIC RATING (0 TO 3%)
- HYDRIC RATING (4 TO 10%)
- HYDRIC RATING (11 TO 45%)
- HYDRIC RATING (46 TO 90%)
- HYDRIC RATING (91 TO 100%)

1:8,010
 1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI
 "WORLD IMAGERY" MAP SERVICE.

PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **SOILS MAP**

DRAWN BY: D. BARLEY PROJECT NO.: 373210
 CHECKED BY: A. KAILAS
 APPROVED BY: H. EFFLER
 DATE: JUNE 2021

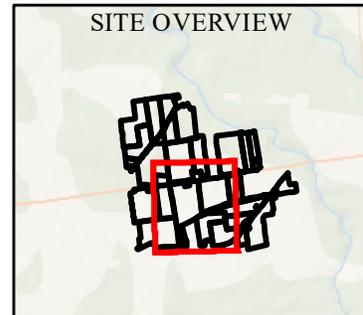
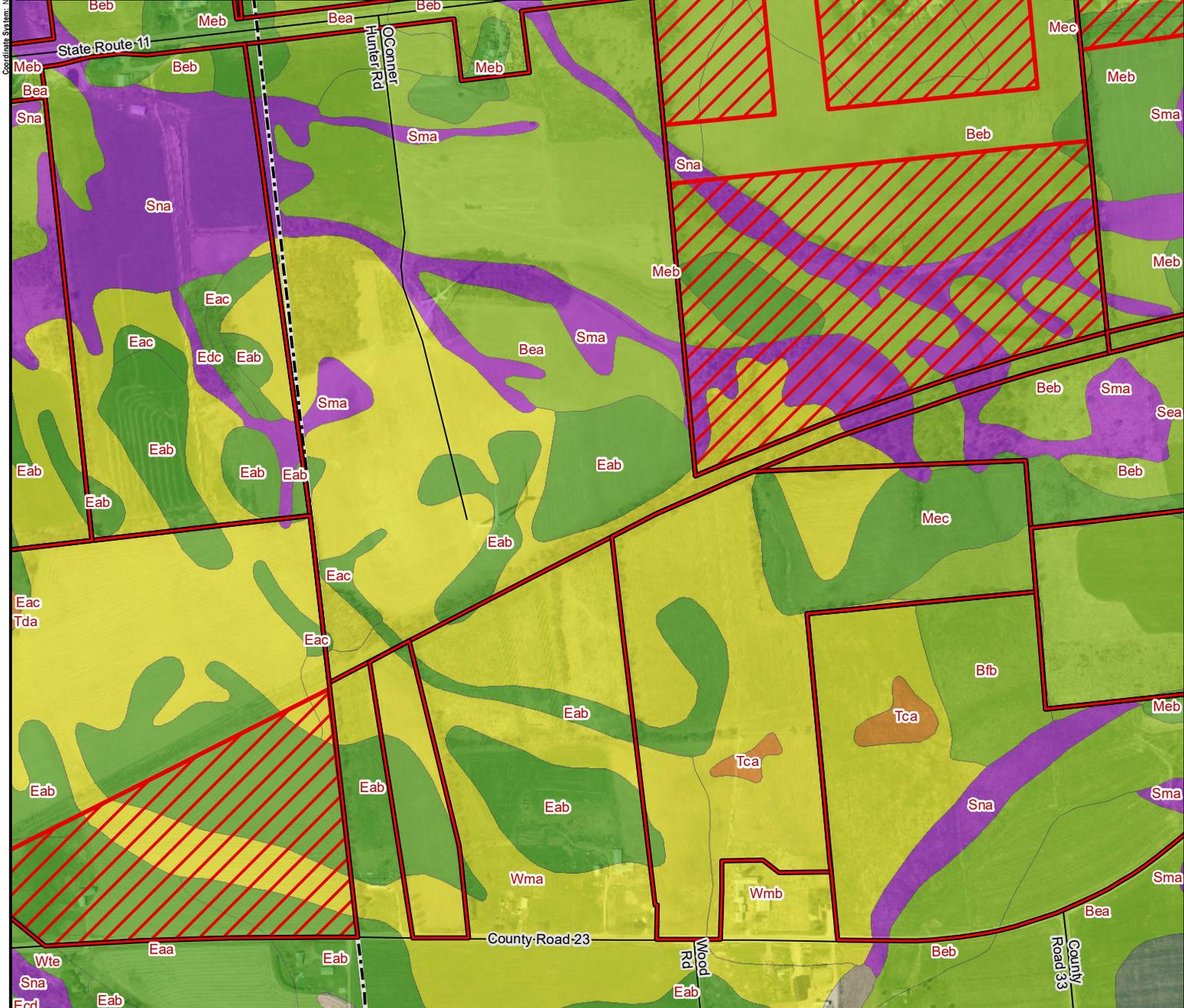
FIGURE 2
SHEET 8 OF 10

TRC
 215 GREENFIELD PKWY., STE 102
 LIVERPOOL, NY 13088

aes

Mapunit Symbol	Soil Mapunit Name
Bea	Brayton stony loam, 0 to 3 percent slopes
Beb	Brayton stony loam, 3 to 8 percent slopes
Bfb	Brayton very stony loam, 0 to 8 percent slopes
Cbb	Colton and Constable cobbly loamy sands, 3 to 8 percent slopes
Tda	Tughill and Dannemora very stony very fine sandy loams, 0 to 3 percent slopes
Ccd	Colton and Constable gravelly and cobbly loamy sands, 15 to 25 percent slopes
Ccc	Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes
Caa	Colton and Constable gravelly loamy sands, 0 to 3 percent slopes
Cab	Colton and Constable gravelly loamy sands, 3 to 8 percent slopes
Daa	Duane gravelly sandy loam, 0 to 3 percent slopes
Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
Mha	Muck, shallow
Ecd	Empeyville very fine sandy loam, 15 to 25 percent slopes, stony
Eab	Empeyville very fine sandy loam, 3 to 8 percent slopes, stony
Eac	Empeyville very fine sandy loam, 8 to 15 percent slopes, stony
Edc	Empeyville very fine sandy loam, 8 to 25 percent slopes, very stony
Qu	Quarries

Mapunit Symbol	Soil Mapunit Name
Sma	Runeberg soils, 0 to 5 percent slopes
Sna	Runeberg soils, 0 to 5 percent slopes, very stony
Mea	Moirra stony loam, 0 to 3 percent slopes
Meb	Moirra stony loam, 3 to 8 percent slopes
Saa	Saco and Sloan soils, 0 to 2 percent slopes
Wca	Walpole sandy loam, 0 to 6 percent slopes
W	Water
Mec	Moirra stony loam, 8 to 15 percent slopes
Sea	Scarboro fine sandy loam, 0 to 3 percent slopes
Sga	Scarboro loam, neutral variant, over till or clay, 0 to 3 percent slopes
Tca	Tughill and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wma	Westbury and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wmb	Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes
Wte	Worth very fine sandy loam, 25 to 60 percent slopes, very stony
Wqb	Worth very fine sandy loam, 3 to 8 percent slopes, stony
Wsd	Worth very fine sandy loam, 8 to 25 percent slopes, very stony



LEGEND

- PROJECT PARCEL
- NON-LEASE AREA
- VILLAGE BOUNDARY
- TOWN BOUNDARY
- HYDRIC RATING (0 TO 3%)
- HYDRIC RATING (4 TO 10%)
- HYDRIC RATING (11 TO 45%)
- HYDRIC RATING (46 TO 90%)
- HYDRIC RATING (91 TO 100%)

1:8,010
1" = 668'

0 500 1,000 Feet

PROJECT: BROOKSIDE SOLAR LLC
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: SOILS MAP

DRAWN BY: D. BARLEY PROJECT NO.: 373210
CHECKED BY: A. KAILAS
APPROVED BY: H. EFFLER
DATE: JUNE 2021

FIGURE 2
SHEET 9 OF 10

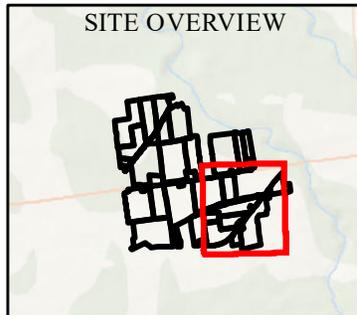
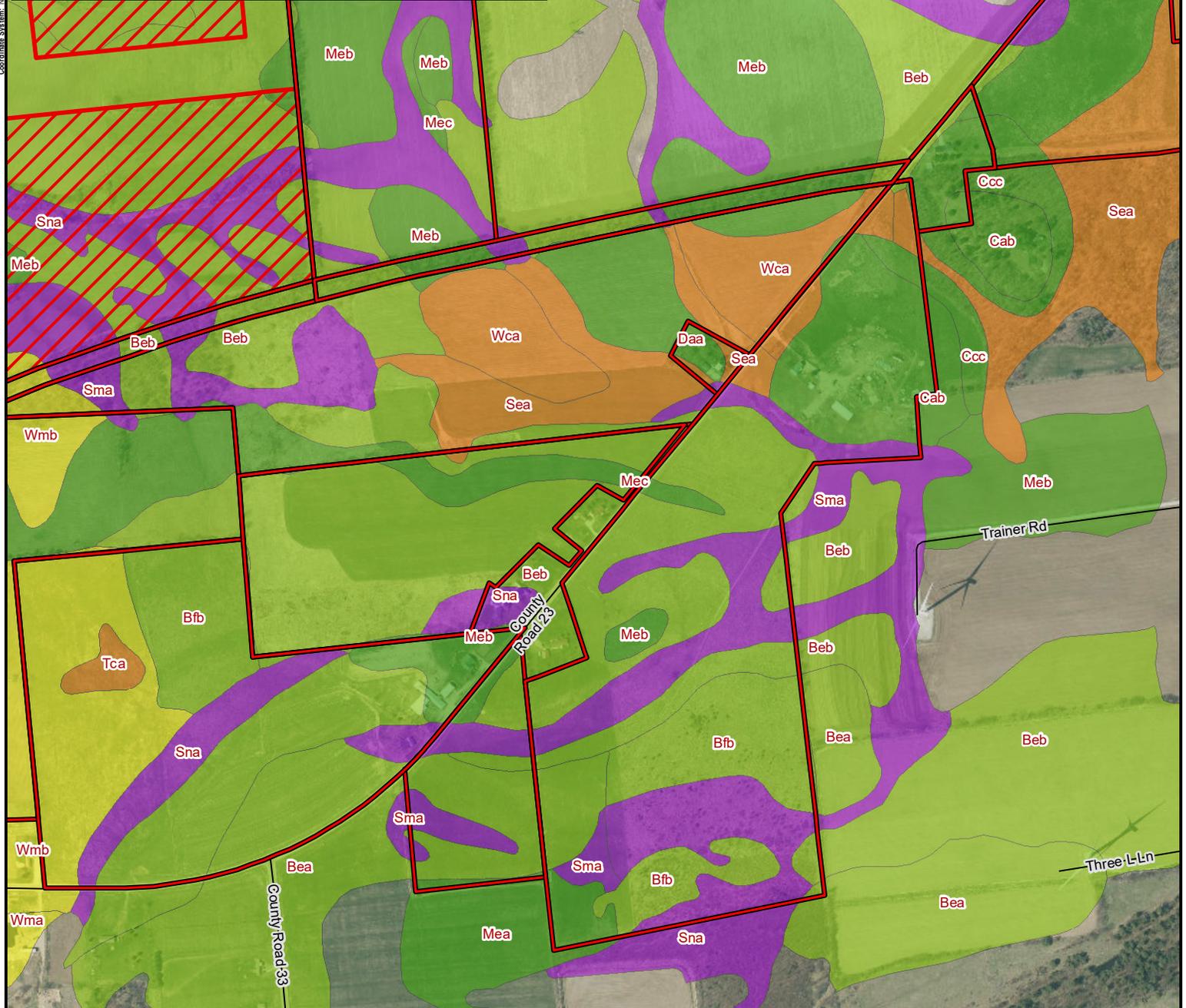
TRC
215 GREENFIELD PKWY., STE 102
LIVERPOOL, NY 13088

aes

Map Unit Symbol Soil Mapunit Name

Mapunit Symbol	Soil Mapunit Name
Bea	Brayton stony loam, 0 to 3 percent slopes
Beb	Brayton stony loam, 3 to 8 percent slopes
Bfb	Brayton very stony loam, 0 to 8 percent slopes
Cbb	Colton and Constable cobbly loamy sands, 3 to 8 percent slopes
Tda	Tughill and Dannemora very stony very fine sandy loams, 0 to 3 percent slopes
Ccd	Colton and Constable gravelly and cobbly loamy sands, 15 to 25 percent slopes
Ccc	Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes
Caa	Colton and Constable gravelly loamy sands, 0 to 3 percent slopes
Cab	Colton and Constable gravelly loamy sands, 3 to 8 percent slopes
Daa	Duane gravelly sandy loam, 0 to 3 percent slopes
Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
Mha	Muck, shallow
Ecd	Empeyville very fine sandy loam, 15 to 25 percent slopes, stony
Eab	Empeyville very fine sandy loam, 3 to 8 percent slopes, stony
Eac	Empeyville very fine sandy loam, 8 to 15 percent slopes, stony
Edc	Empeyville very fine sandy loam, 8 to 25 percent slopes, very stony
Qu	Quarries

Mapunit Symbol	Soil Mapunit Name
Sma	Runeberg soils, 0 to 5 percent slopes
Sna	Runeberg soils, 0 to 5 percent slopes, very stony
Mea	Moira stony loam, 0 to 3 percent slopes
Meb	Moira stony loam, 3 to 8 percent slopes
Saa	Saco and Sloan soils, 0 to 2 percent slopes
Wca	Walpole sandy loam, 0 to 6 percent slopes
W	Water
Mec	Moira stony loam, 8 to 15 percent slopes
Sea	Scarboro fine sandy loam, 0 to 3 percent slopes
Sga	Scarboro loam, neutral variant, over till or clay, 0 to 3 percent slopes
Tca	Tughill and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wma	Westbury and Dannemora stony very fine sandy loams, 0 to 3 percent slopes
Wmb	Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes
Wte	Worth very fine sandy loam, 25 to 60 percent slopes, very stony
Wqb	Worth very fine sandy loam, 3 to 8 percent slopes, stony
Wsd	Worth very fine sandy loam, 8 to 25 percent slopes, very stony



LEGEND

- PROJECT PARCEL (Red outline)
- NON-LEASE AREA (Red hatched)
- VILLAGE BOUNDARY (Purple outline)
- TOWN BOUNDARY (Black outline)
- HYDRIC RATING (0 TO 3%) (Light green)
- HYDRIC RATING (4 TO 10%) (Light yellow-green)
- HYDRIC RATING (11 TO 45%) (Yellow)
- HYDRIC RATING (46 TO 90%) (Orange)
- HYDRIC RATING (91 TO 100%) (Purple)

1:8,020
1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI "WORLD IMAGERY" MAP SERVICE.

PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

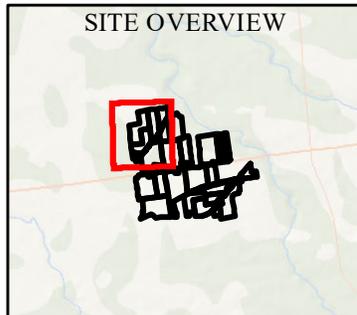
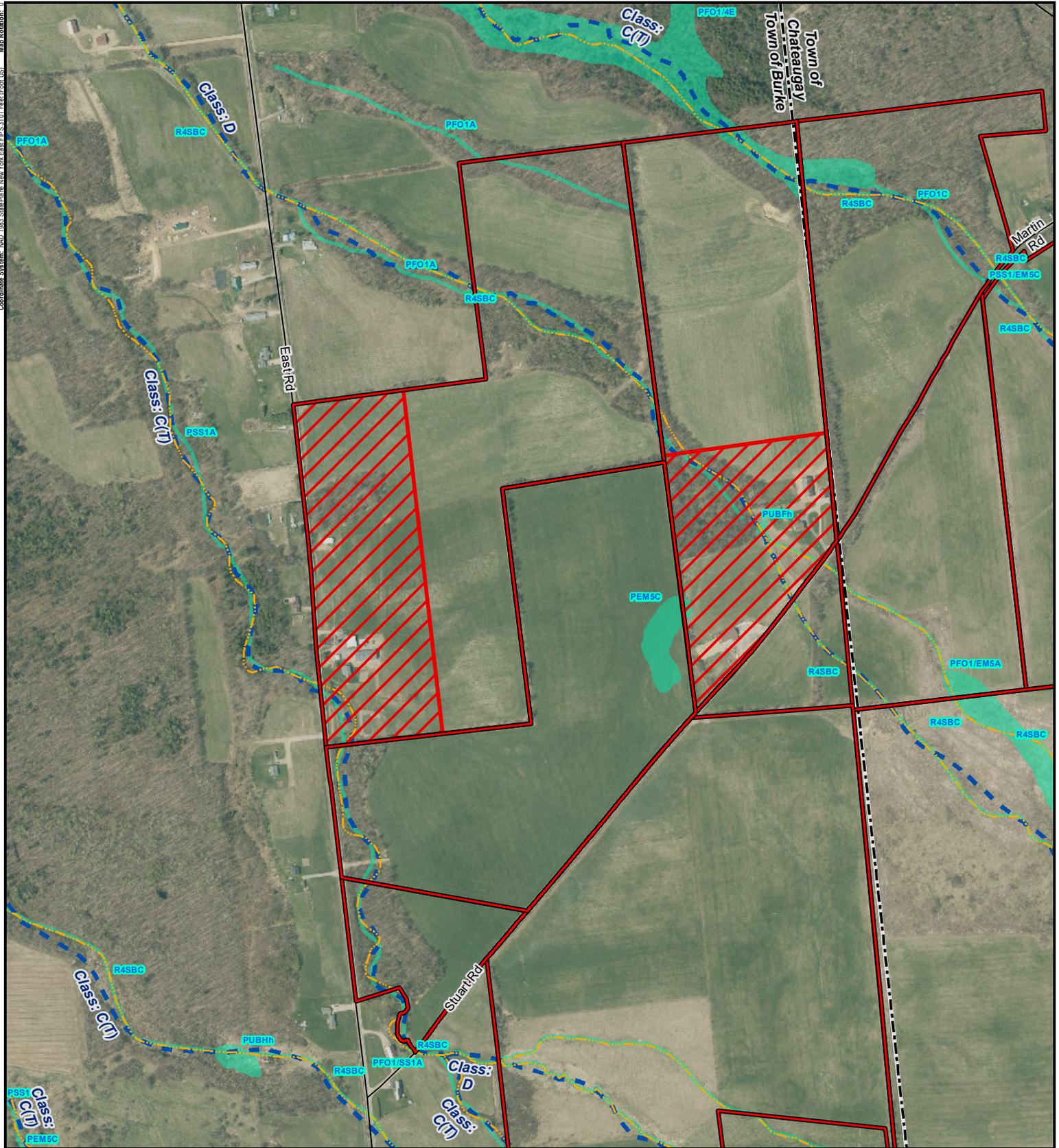
TITLE: **SOILS MAP**

DRAWN BY: D. BARLEY PROJECT NO.: 373210
CHECKED BY: A. KAILAS
APPROVED BY: H. EFFLER
DATE: JUNE 2021

FIGURE 2
SHEET 10 OF 10

TRC
215 GREENFIELD PKWY., STE 102
LIVERPOOL, NY 13088

aes



LEGEND

- VILLAGE BOUNDARY
- TOWN BOUNDARY
- WATERBODIES (NHD)
- WATERBODIES (NYSDEC)
- WETLANDS (NYSDEC)
- WETLANDS (NWI)
- PROJECT PARCELS
- NON-LEASE AREA

Note: FEMA Floodplains not Mapped in Town of Chateaugay portion of Project Area. No mapped 100-Year floodplains within remainder of Project Area.

1:8,010
 1" = 668'

0 500 1,000 Feet

PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

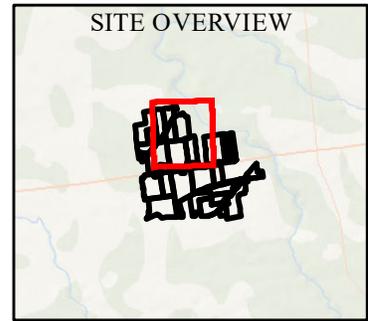
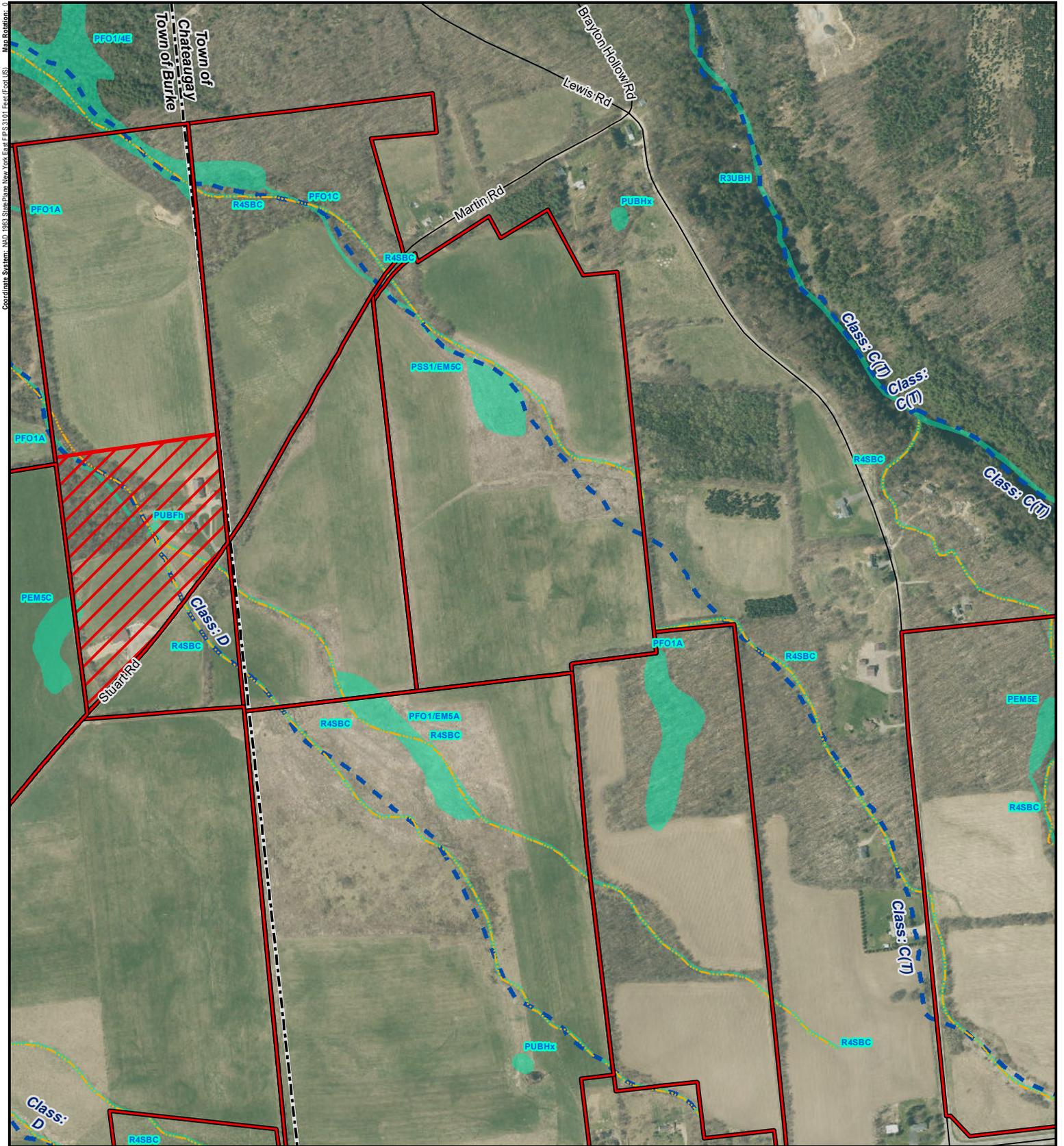
TITLE: **FEDERAL & STATE**
MAPPED RESOURCES

DRAWN BY: D. BARLEY PROJECT NO: 373210
 CHECKED BY: A. KAILAS
 APPROVED BY: H. EFFLER
 DATE: JUNE 2021

FIGURE 3
SHEET 1 OF 7

TRC
 215 GREENFIELD PKWY, STE 102
 LIVERPOOL, NY 13088

aes



LEGEND

- VILLAGE BOUNDARY
- TOWN BOUNDARY
- WATERBODIES (NHD)
- WATERBODIES (NYSDEC)
- WETLANDS (NYSDEC)
- WETLANDS (NWI)
- PROJECT PARCELS
- NON-LEASE AREA

Note: FEMA Floodplains not Mapped in Town of Chateaugay portion of Project Area. No mapped 100-Year floodplains within remainder of Project Area.

1:8,010
1" = 668'

0 500 1,000 Feet

PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

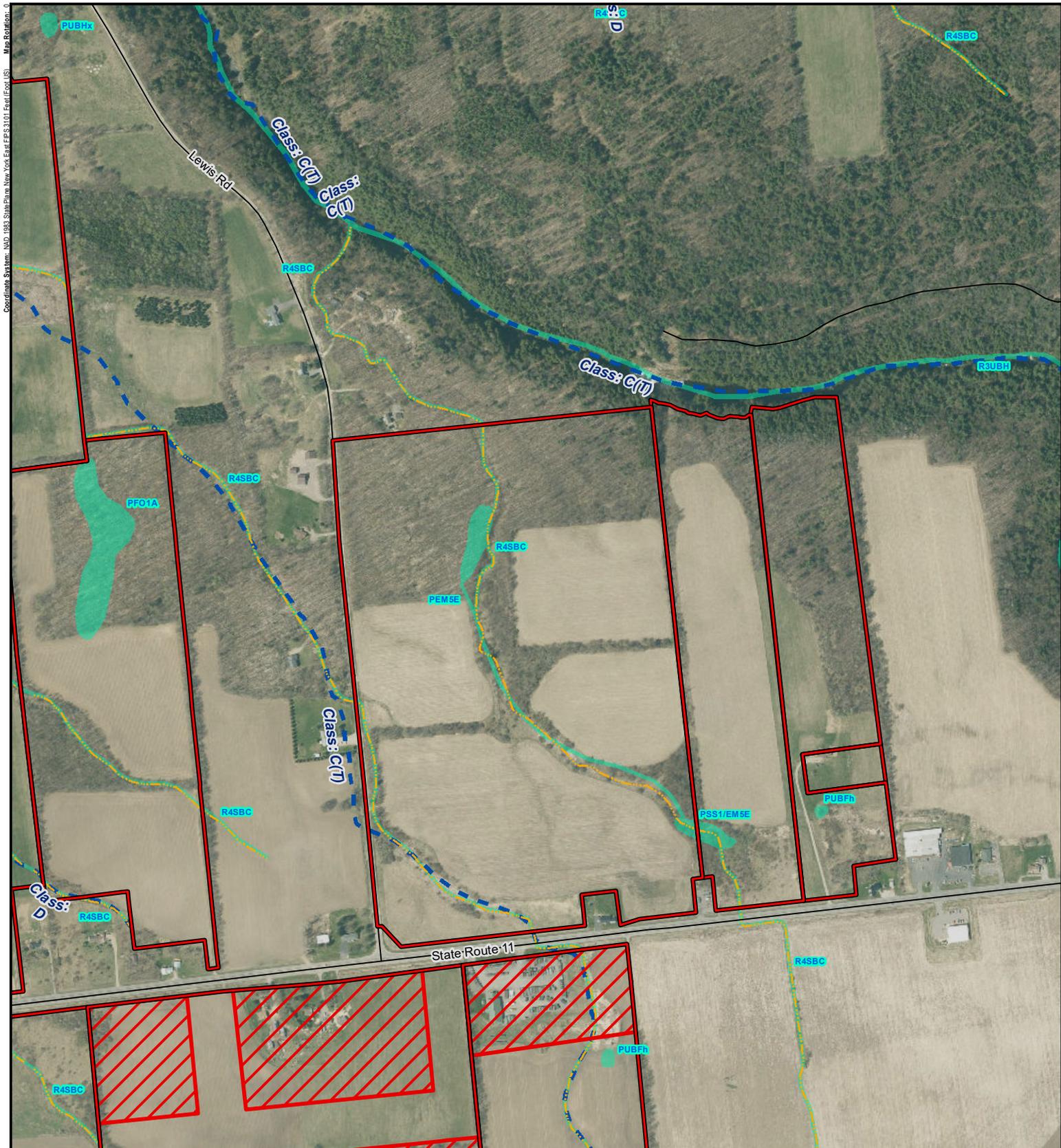
TITLE: **FEDERAL & STATE**
MAPPED RESOURCES

DRAWN BY: D. BARLEY PROJECT NO: 3732.10
CHECKED BY: A. KAILAS
APPROVED BY: H. EFFLER
DATE: JUNE 2021

FIGURE 3
SHEET 2 OF 7

TRC
215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088

aes



Map Rotation: 0
 Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Foot, US)



LEGEND

- VILLAGE BOUNDARY
- TOWN BOUNDARY
- WATERBODIES (NHD)
- WATERBODIES (NYSDEC)
- WETLANDS (NYSDEC)
- WETLANDS (NWI)
- PROJECT PARCELS
- NON-LEASE AREA

Note: FEMA Floodplains not Mapped in Town of Chateaugay portion of Project Area. No mapped 100-Year floodplains within remainder of Project Area.

1:8,010
 1" = 668'

0 500 1,000 Feet

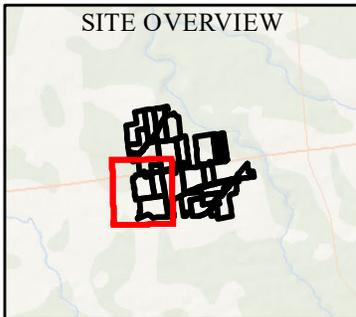
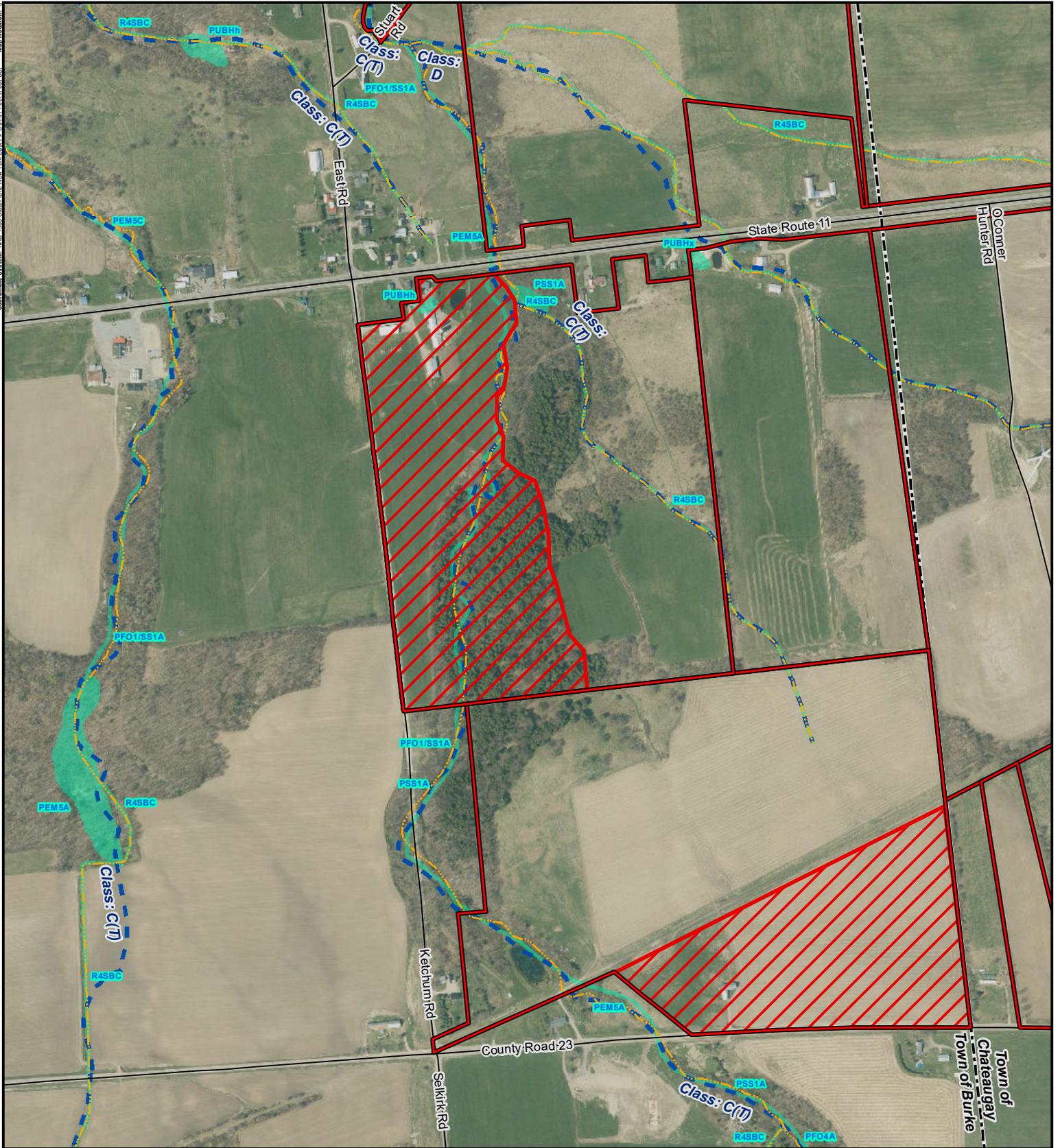
PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **FEDERAL & STATE**
MAPPED RESOURCES

DRAWN BY: D. BARLEY	PROJECT NO: 373210
CHECKED BY: A. KAILAS	
APPROVED BY: H. EFFLER	
DATE: JUNE 2021	

FIGURE 3
SHEET 3 OF 7

TRC
 215 GREENFIELD PKWY, STE 102
 LIVERPOOL, NY 13088



LEGEND

- VILLAGE BOUNDARY
- TOWN BOUNDARY
- WATERBODIES (NHD)
- WATERBODIES (NYSDEC)
- WETLANDS (NYSDEC)
- WETLANDS (NWI)
- PROJECT PARCELS
- NON-LEASE AREA

Note: FEMA Floodplains not Mapped in Town of Chateaugay portion of Project Area. No mapped 100-Year floodplains within remainder of Project Area.

1:8,010
1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE
2. DATA SOURCES: NYSGIS, FEMA, NYSDEC, NWI

PROJECT: **BROOKSIDE SOLAR LLC
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY**

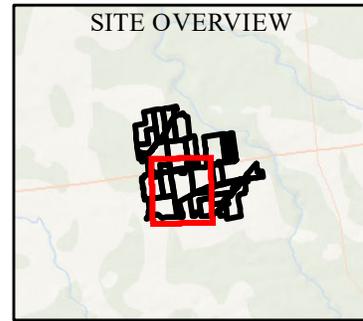
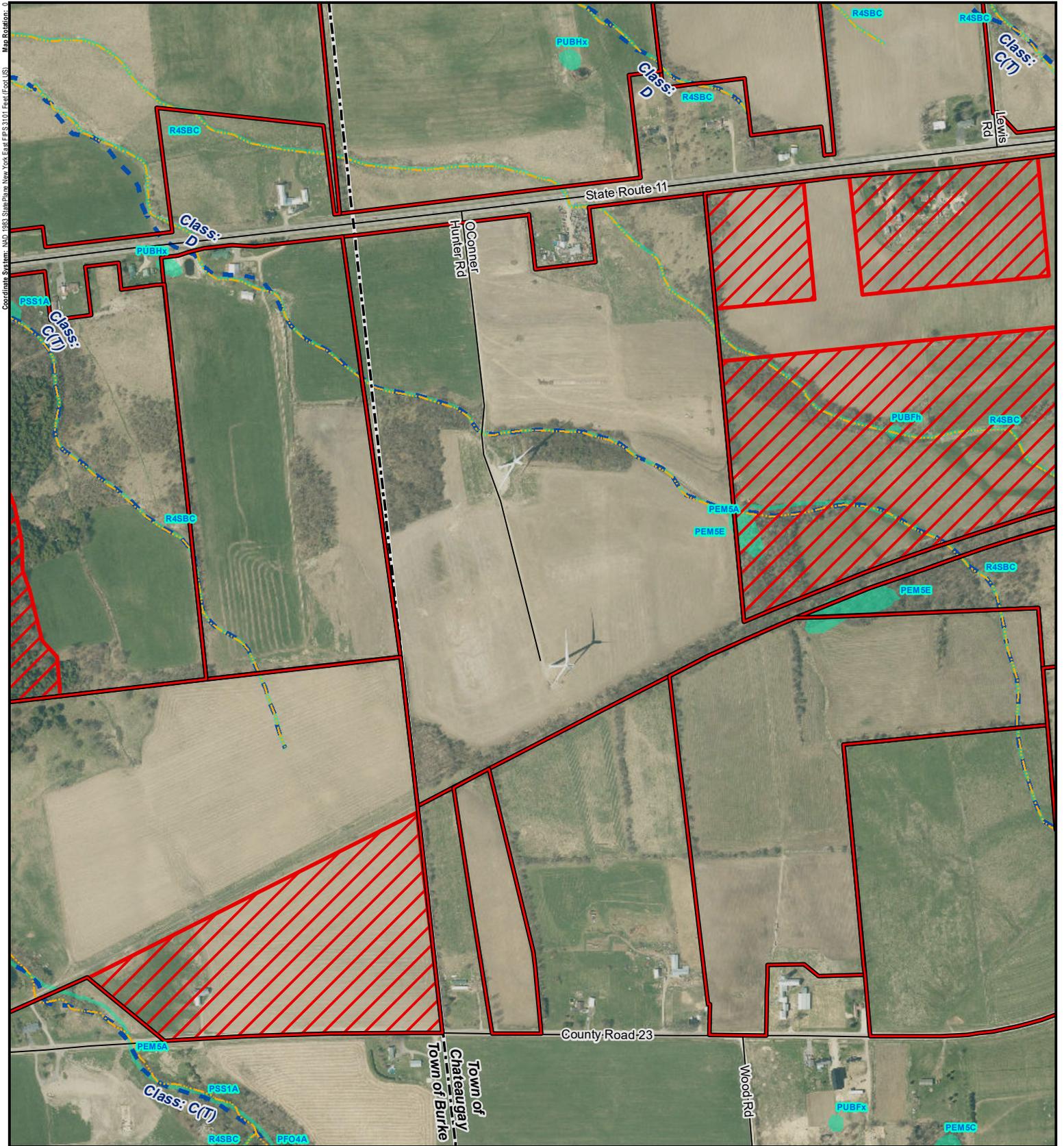
TITLE: **FEDERAL & STATE
MAPPED RESOURCES**

DRAWN BY: D. BARLEY PROJECT NO: 373210
CHECKED BY: A. KAILAS
APPROVED BY: H. EFFLER
DATE: JUNE 2021

**FIGURE 3
SHEET 4 OF 7**

TRC
215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088

aes



LEGEND

- VILLAGE BOUNDARY
- TOWN BOUNDARY
- WATERBODIES (NHD)
- WATERBODIES (NYSDEC)
- WETLANDS (NYSDEC)
- WETLANDS (NWI)
- PROJECT PARCELS
- NON-LEASE AREA

Note: FEMA Floodplains not Mapped in Town of Chateaugay portion of Project Area. No mapped 100-Year floodplains within remainder of Project Area.

1:8,010
1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE
2. DATA SOURCES: NYSGIS, FEMA, NYSDEC, NWI

PROJECT: **BROOKSIDE SOLAR LLC
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY**

TITLE: **FEDERAL & STATE
MAPPED RESOURCES**

DRAWN BY: D. BARLEY PROJECT NO.: 373210

CHECKED BY: A. KAILAS

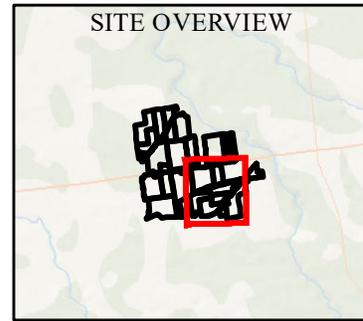
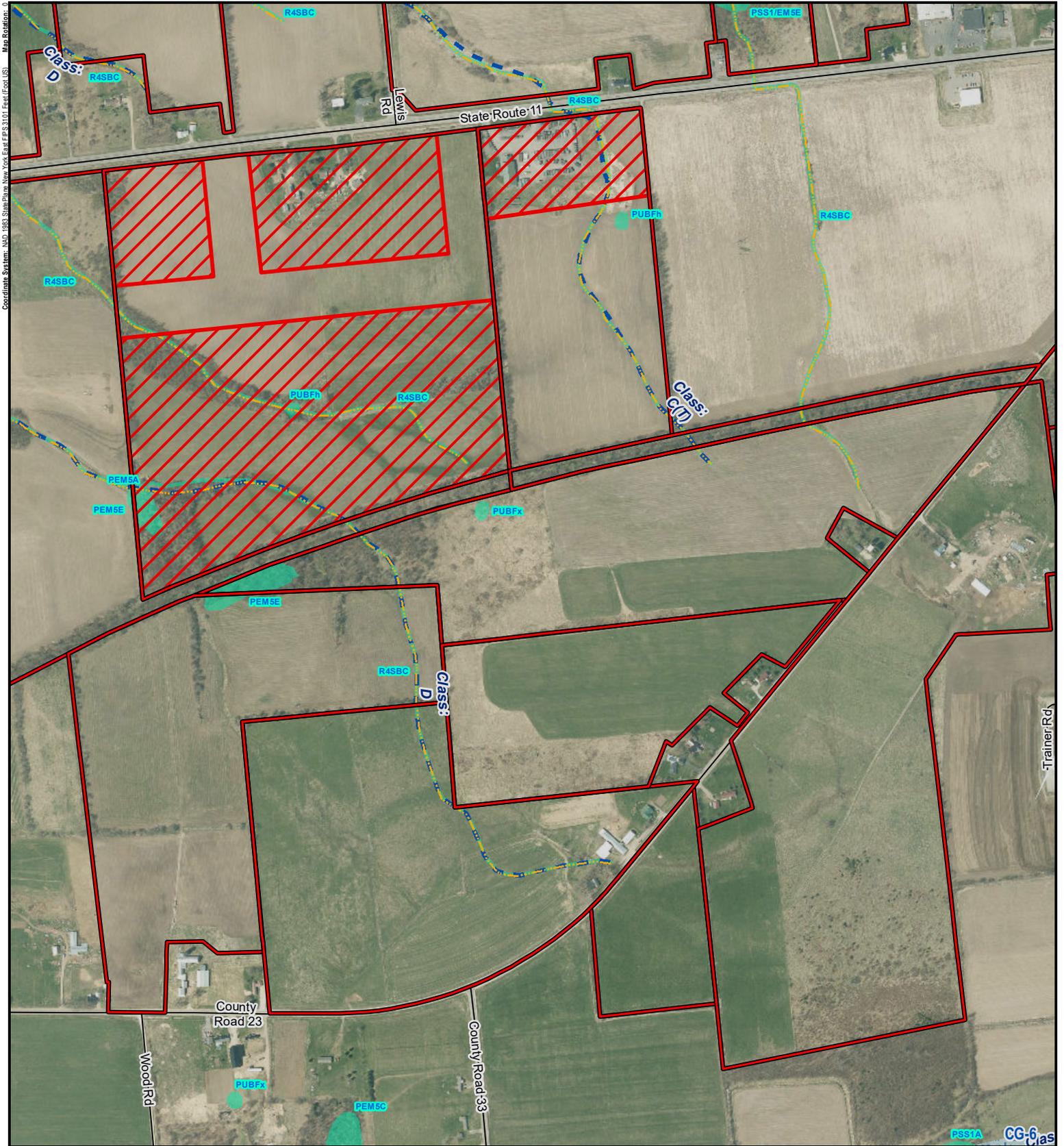
APPROVED BY: H. EFFLER

DATE: JUNE 2021

**FIGURE 3
SHEET 5 OF 7**

TRC
215 GREENFIELD PKWY., STE 102
LIVERPOOL, NY 13088

aes



LEGEND

- VILLAGE BOUNDARY
- TOWN BOUNDARY
- WATERBODIES (NHD)
- WATERBODIES (NYSDEC)
- WETLANDS (NYSDEC)
- WETLANDS (NWI)
- PROJECT PARCELS
- NON-LEASE AREA

Note: FEMA Floodplains not Mapped in Town of Chateaugay portion of Project Area. No mapped 100-Year floodplains within remainder of Project Area.

1:8,010
1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE
2. DATA SOURCES: NYSGIS, FEMA, NYSDEC, NWI

PROJECT: **BROOKSIDE SOLAR LLC
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY**

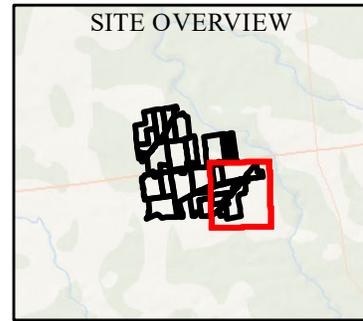
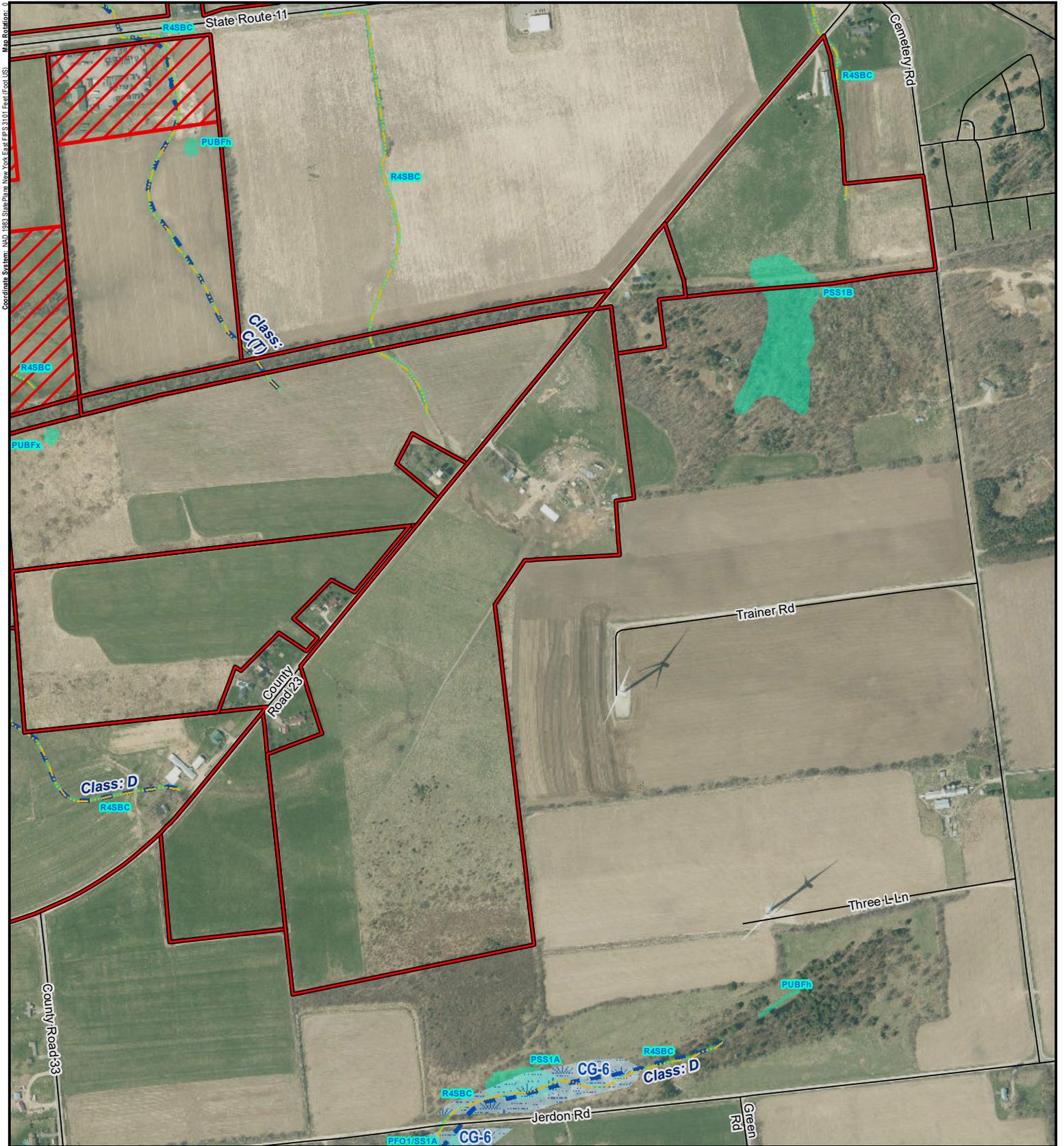
TITLE: **FEDERAL & STATE
MAPPED RESOURCES**

DRAWN BY: D. BARLEY PROJECT NO: 373210
CHECKED BY: A. KAILAS
APPROVED BY: H. EFFLER
DATE: JUNE 2021

**FIGURE 3
SHEET 6 OF 7**

TRC
215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088

aes



LEGEND

- VILLAGE BOUNDARY
- TOWN BOUNDARY
- WATERBODIES (NHD)
- WATERBODIES (NYSDEC)
- WETLANDS (NYSDEC)
- WETLANDS (NWI)
- PROJECT PARCELS
- NON-LEASE AREA

Note: FEMA Floodplains not Mapped in Town of Chateaugay portion of Project Area. No mapped 100-Year floodplains within remainder of Project Area.

1:8,020
1" = 668'

0 500 1,000 Feet

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE
2. DATA SOURCES: NYSGIS, FEMA, NYSDEC, NWI

PROJECT: **BROOKSIDE SOLAR LLC
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY**

TITLE: **FEDERAL & STATE
MAPPED RESOURCES**

DRAWN BY: D. BARLEY PROJECT NO: 373210

CHECKED BY: A. KAILAS

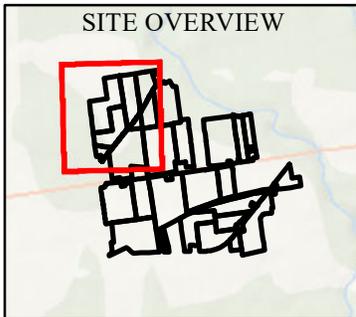
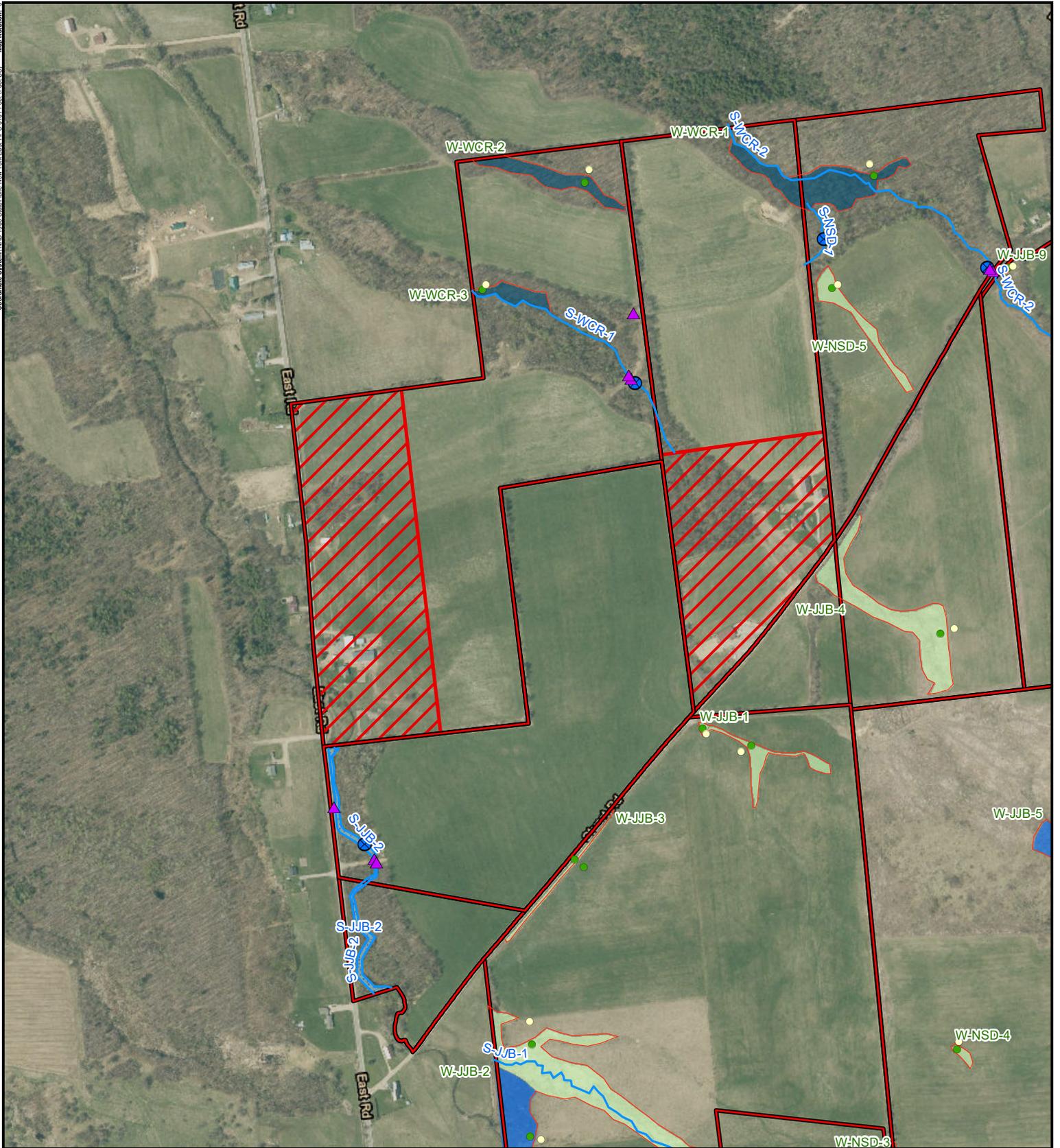
APPROVED BY: H. EFFLER

DATE: JUNE 2021

**FIGURE 3
SHEET 7 OF 7**

TRC
215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088

aes



LEGEND

PROJECT PARCELS	DELINEATED WETLAND BOUNDARY LINE
NON-LEASE AREA	DELINEATED STREAM LINE
USACE WETLAND PLOT	DELINEATED SURFACE WATER
USACE UPLAND PLOT	DELINEATED PEM WETLAND
CULVERT	DELINEATED PSS WETLAND
STREAM PLOT	DELINEATED PFO WETLAND

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE
2. ALL RESOURCES SHOWN AS DELINEATED BY TRC.

1:8,000 1" = 667'

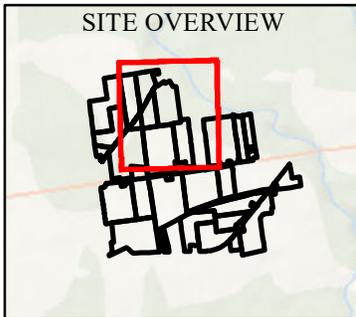
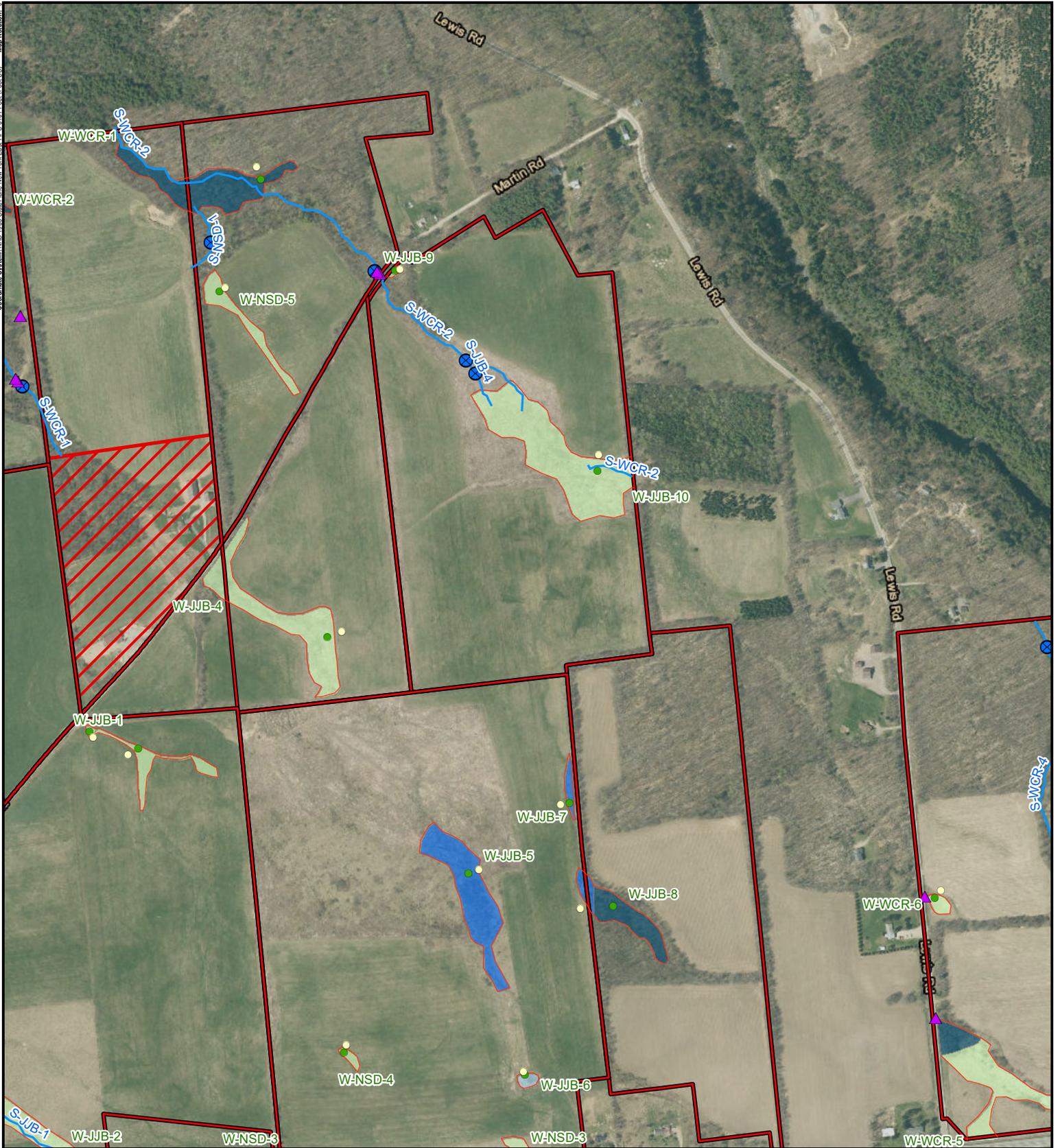
0 250 500 Feet

PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **DELINEATED RESOURCES BY TYPE**

DRAWN BY: D. BARLEY	PROJECT NO.: 373210
CHECKED BY: A. KAILAS	FIGURE 4 SHEET 1 OF 7
APPROVED BY: H. EFFLER	
DATE: NOVEMBER 2021	

215 GREENFIELD PKWY, STE 102 LIVERPOOL, NY 13088	



LEGEND

PROJECT PARCELS	DELINEATED WETLAND BOUNDARY LINE
NON-LEASE AREA	DELINEATED STREAM LINE
USACE WETLAND PLOT	DELINEATED PEM WETLAND
USACE UPLAND PLOT	DELINEATED PSS WETLAND
CULVERT	DELINEATED PFO WETLAND
STREAM PLOT	DELINEATED PUB WETLAND

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE
2. ALL RESOURCES SHOWN AS DELINEATED BY TRC.

1:8,000 1" = 667'

0 250 500 Feet

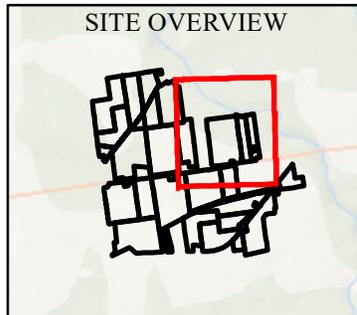
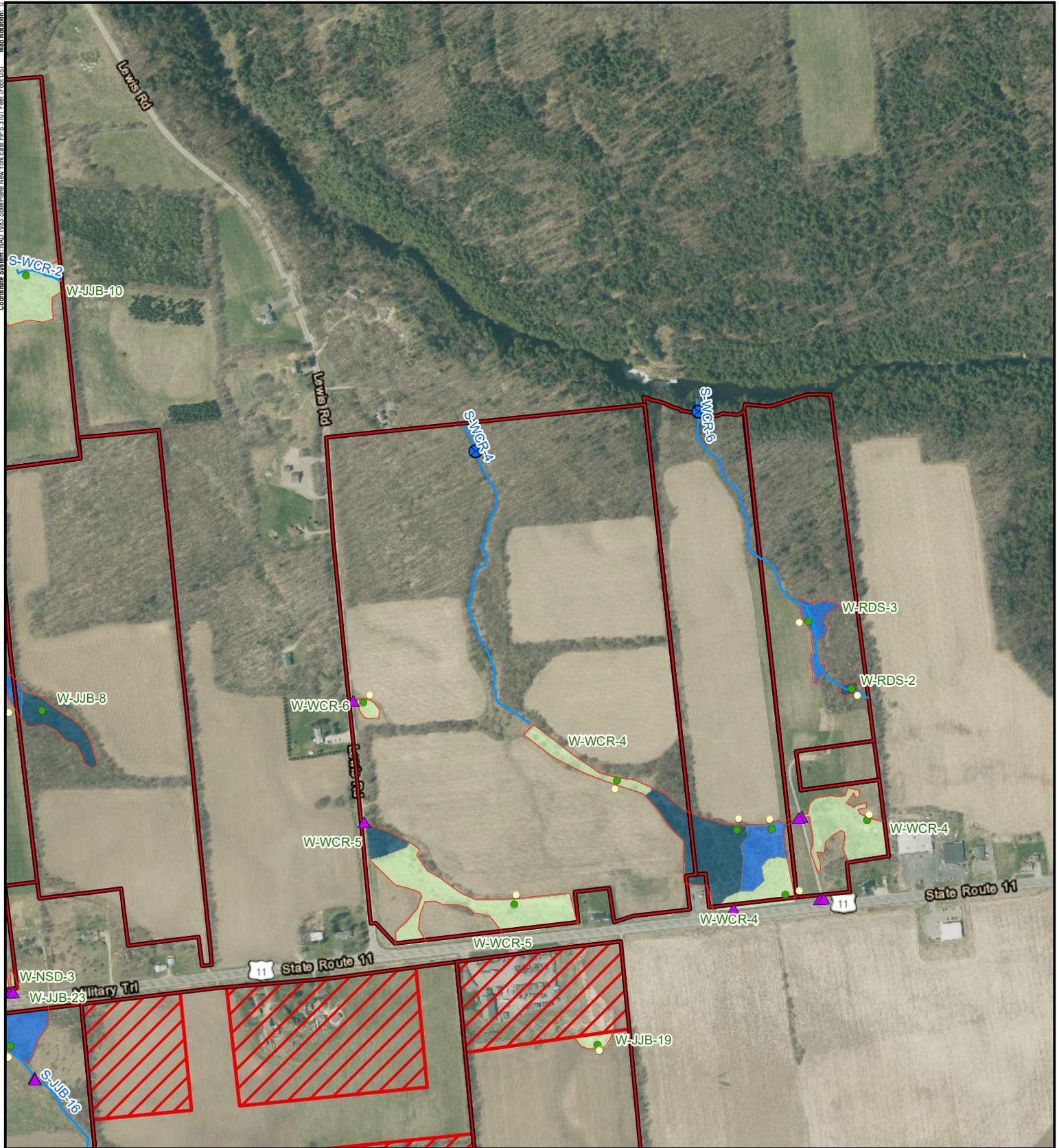
PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **DELINEATED RESOURCES BY TYPE**

DRAWN BY: D. BARLEY	PROJECT NO.: 373210
CHECKED BY: A. KAILAS	
APPROVED BY: H. EFFLER	
DATE: NOVEMBER 2021	

FIGURE 4
SHEET 2 OF 7

215 GREENFIELD PKWY, STE 102 LIVERPOOL, NY 13088	



LEGEND

PROJECT PARCELS	DELINEATED WETLAND BOUNDARY LINE
NON-LEASE AREA	DELINEATED STREAM LINE
USACE WETLAND PLOT	DELINEATED PEM WETLAND
USACE UPLAND PLOT	DELINEATED PSS WETLAND
CULVERT	DELINEATED PFO WETLAND
STREAM PLOT	

1. BASEMAP IMAGERY FROM ESRI
 "WORLD IMAGERY" MAP SERVICE
 2. ALL RESOURCES SHOWN AS DELINEATED BY TRC.

1:8,000 1" = 667'

0 250 500 Feet

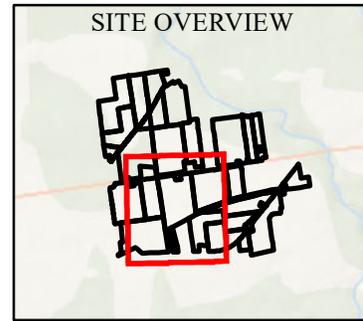
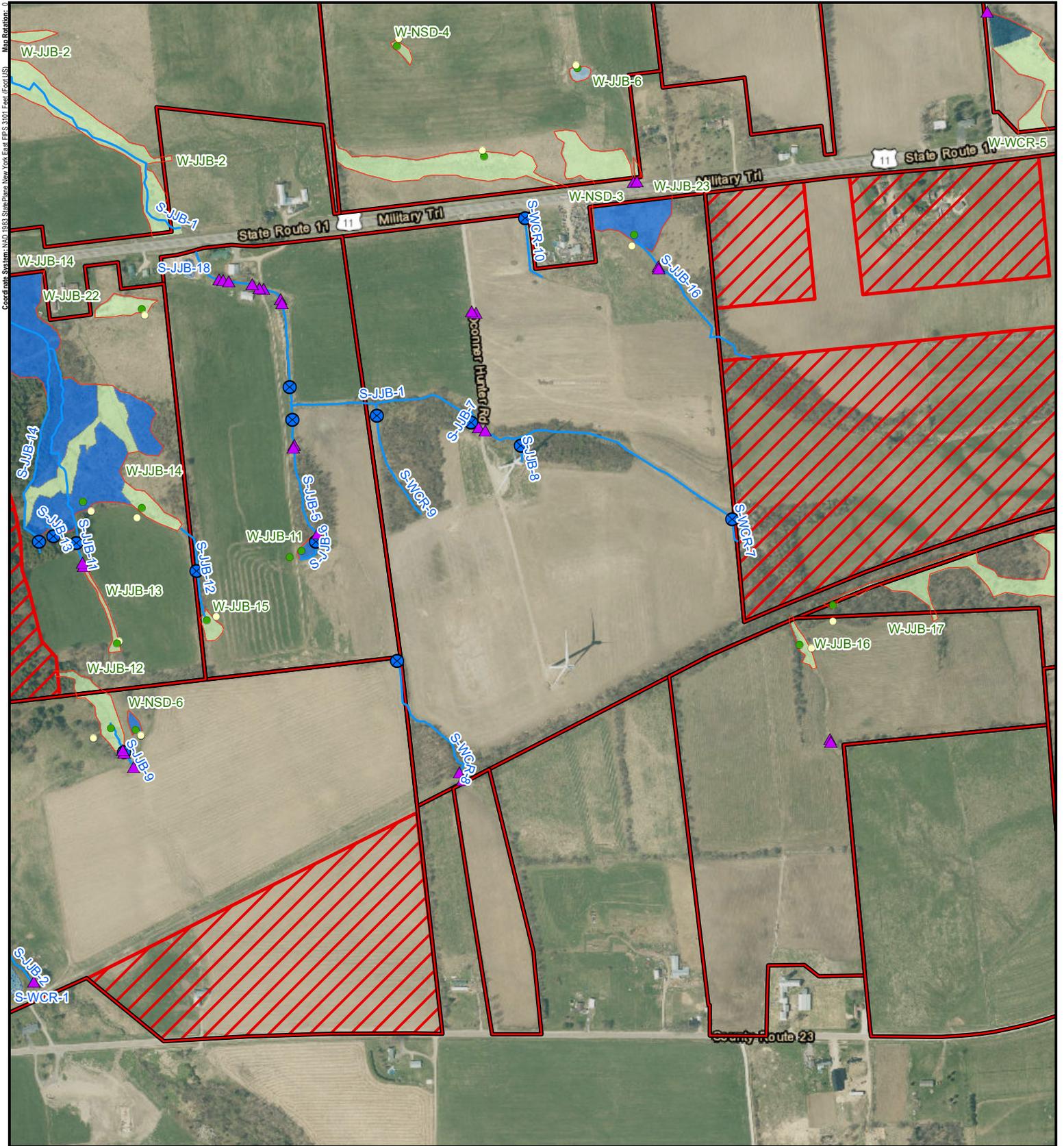
PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **DELINEATED RESOURCES BY TYPE**

DRAWN BY: D. BARLEY	PROJECT NO.: 373210
CHECKED BY: A. KAILAS	FIGURE 4 SHEET 3 OF 7
APPROVED BY: H. EFFLER	
DATE: NOVEMBER 2021	

TRC
 215 GREENFIELD PKWY, STE 102
 LIVERPOOL, NY 13088

aes



LEGEND

PROJECT PARCELS	DELINEATED WETLAND BOUNDARY LINE
NON-LEASE AREA	DELINEATED STREAM LINE
USACE WETLAND PLOT	DELINEATED SURFACE WATER
USACE UPLAND PLOT	DELINEATED PEM WETLAND
CULVERT	DELINEATED PSS WETLAND
STREAM PLOT	DELINEATED PFO WETLAND
	DELINEATED PUB WETLAND

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE
2. ALL RESOURCES SHOWN AS DELINEATED BY TRC.

1:8,000 1" = 667'

0 250 500 Feet

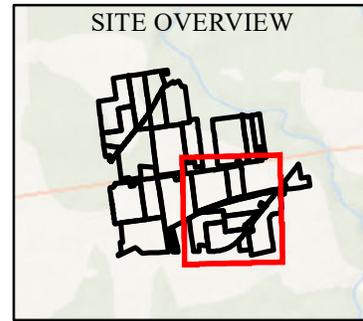
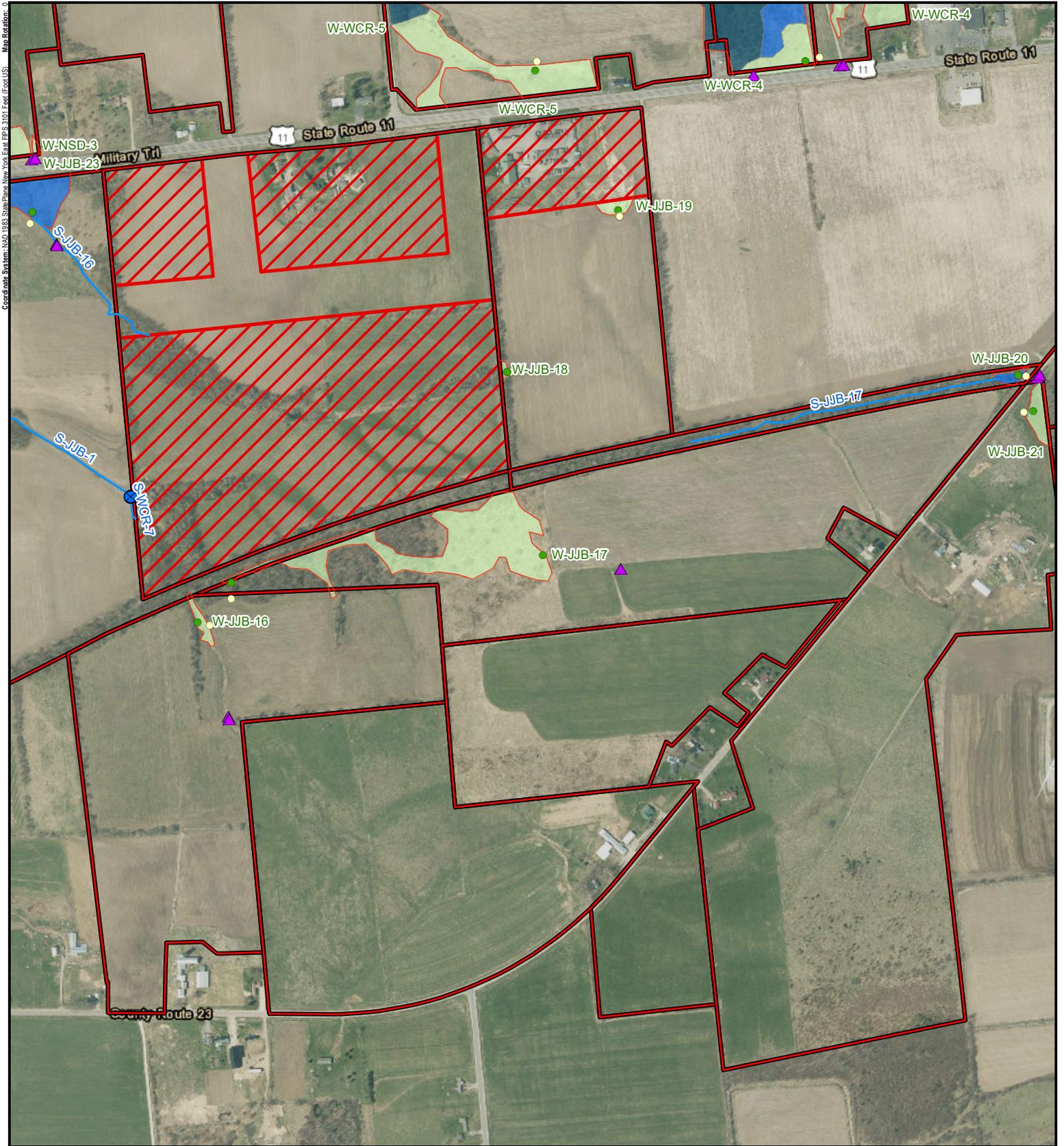
PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **DELINEATED RESOURCES BY TYPE**

DRAWN BY: D. BARLEY	PROJECT NO.: 373210
CHECKED BY: A. KAILAS	FIGURE 4 SHEET 5 OF 7
APPROVED BY: H. EFFLER	
DATE: NOVEMBER 2021	

TRC
215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088

aes



LEGEND

PROJECT PARCELS	DELINEATED WETLAND BOUNDARY LINE
NON-LEASE AREA	DELINEATED STREAM LINE
USACE WETLAND PLOT	DELINEATED PEM WETLAND
USACE UPLAND PLOT	DELINEATED PSS WETLAND
CULVERT	DELINEATED PFO WETLAND
STREAM PLOT	

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE
2. ALL RESOURCES SHOWN AS DELINEATED BY TRC.

1:8,000 1" = 667'

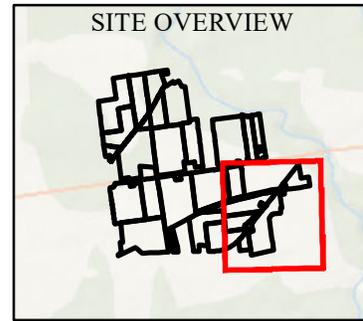
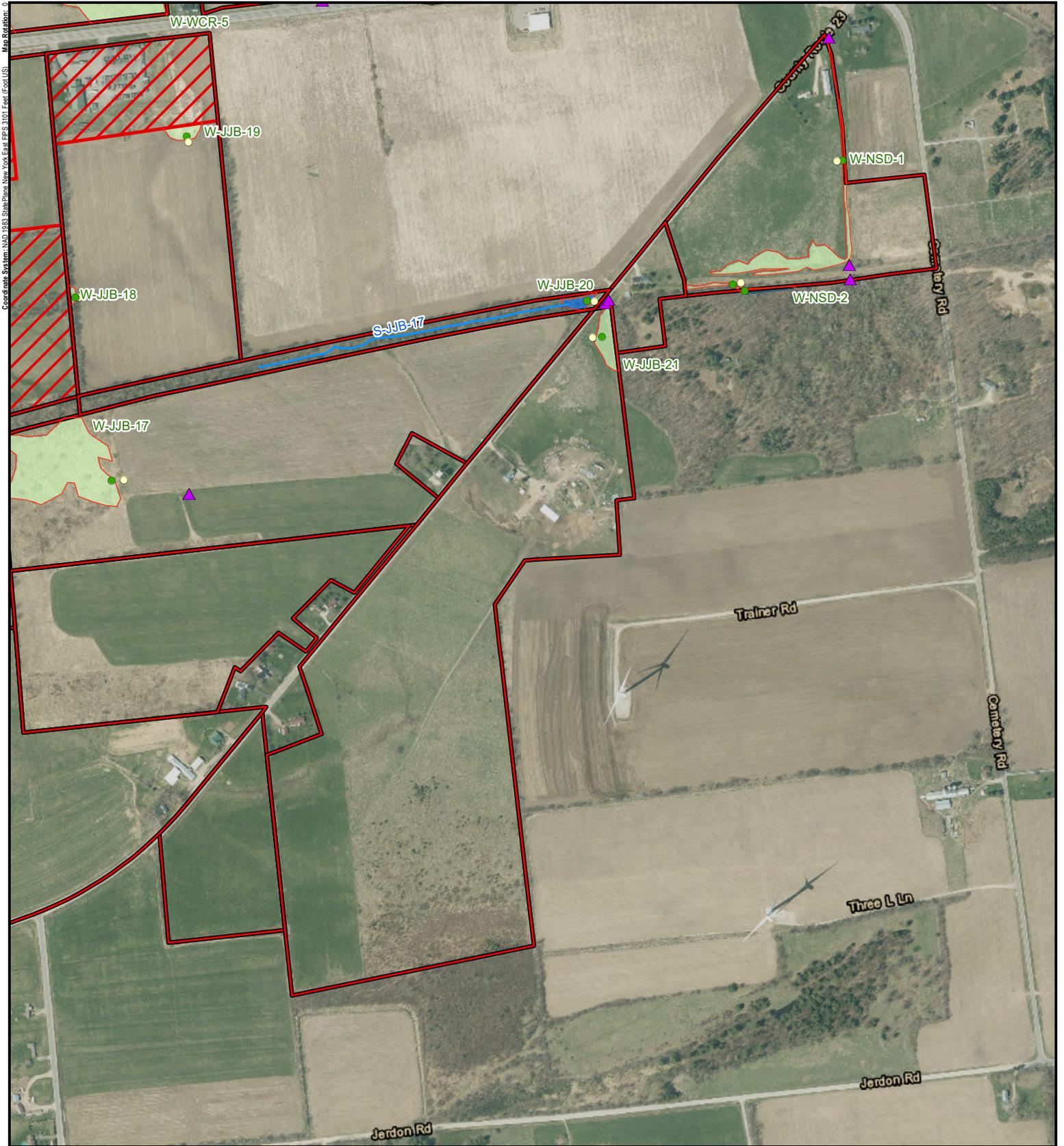
0 250 500 Feet

PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **DELINEATED RESOURCES BY TYPE**

DRAWN BY: D. BARLEY	PROJECT NO.: 373210
CHECKED BY: A. KAILAS	FIGURE 4 SHEET 6 OF 7
APPROVED BY: H. EFFLER	
DATE: NOVEMBER 2021	

215 GREENFIELD PKWY, STE 102 LIVERPOOL, NY 13088	



LEGEND

PROJECT PARCELS	DELINEATED WETLAND BOUNDARY LINE
NON-LEASE AREA	DELINEATED STREAM LINE
USACE WETLAND PLOT	DELINEATED PEM WETLAND
USACE UPLAND PLOT	DELINEATED PSS WETLAND
CULVERT	DELINEATED PFO WETLAND

1. BASEMAP IMAGERY FROM ESRI
"WORLD IMAGERY" MAP SERVICE
2. ALL RESOURCES SHOWN AS DELINEATED BY TRC.

1:8,000 1" = 667'

0 250 500 Feet

PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **DELINEATED RESOURCES BY TYPE**

DRAWN BY: D. BARLEY	PROJECT NO.: 373210
CHECKED BY: A. KAILAS	FIGURE 4 SHEET 7 OF 7
APPROVED BY: H. EFFLER	
DATE: NOVEMBER 2021	

215 GREENFIELD PKWY, STE 102 LIVERPOOL, NY 13088	

APPENDIX B

Photograph Log



Photo 1. Wetland W-JJB-01, palustrine emergent (PEM) cover type, facing south.

Photo taken June 7, 2020.



Photo 2. Wetland W-JJB-02, overview of PEM cover type, facing southwest.

Photo taken June 7, 2020.



Photo 3. Wetland W-JJB-02, overview of palustrine scrub-shrub (PSS) cover type, facing east.

Photo taken June 8, 2020.



Photo 4. Wetland W-JJB-03, PEM cover type, facing northeast.

Photo taken June 8, 2020.



Photo 5. Wetland W-JJB-04, PEM cover type, facing west.

Photo taken June 8, 2020.



Photo 6. Wetland W-JBB-05, overview of PSS cover type, facing west.

Photo taken June 8, 2020.



Photo 7. Wetland W-JJB-06, palustrine unconsolidated bottom (PUB) cover type, facing south.

Photo taken June 9, 2020.



Photo 8. Wetland W-JJB-07, PSS cover type, facing south.

Photo taken June 9, 2020.



Photo 9. Wetland W-JJB-08, palustrine forested (PFO) cover type, facing east.

Photo taken June 9, 2020.



Photo 10. Wetland W-JJB-09, PEM cover type, facing north.

Photo taken June 9, 2020.



Photo 11. Wetland W-JJB-10, PEM cover type, facing south.

Photo taken June 10, 2020.



Photo 12. Wetland W-JJB-11, PSS cover type, facing east.

Photo taken June 10, 2020.



Photo 13. Wetland W-JJB-12, PEM cover type, facing west.

Photo taken June 14, 2020.



Photo 14. Wetland W-JJB-13, PEM cover type, facing west.

Photo taken June 15, 2020.



Photo 15. Wetland W-JJB-14, overview of PEM cover type, facing northeast.

Photo taken June 15, 2020.

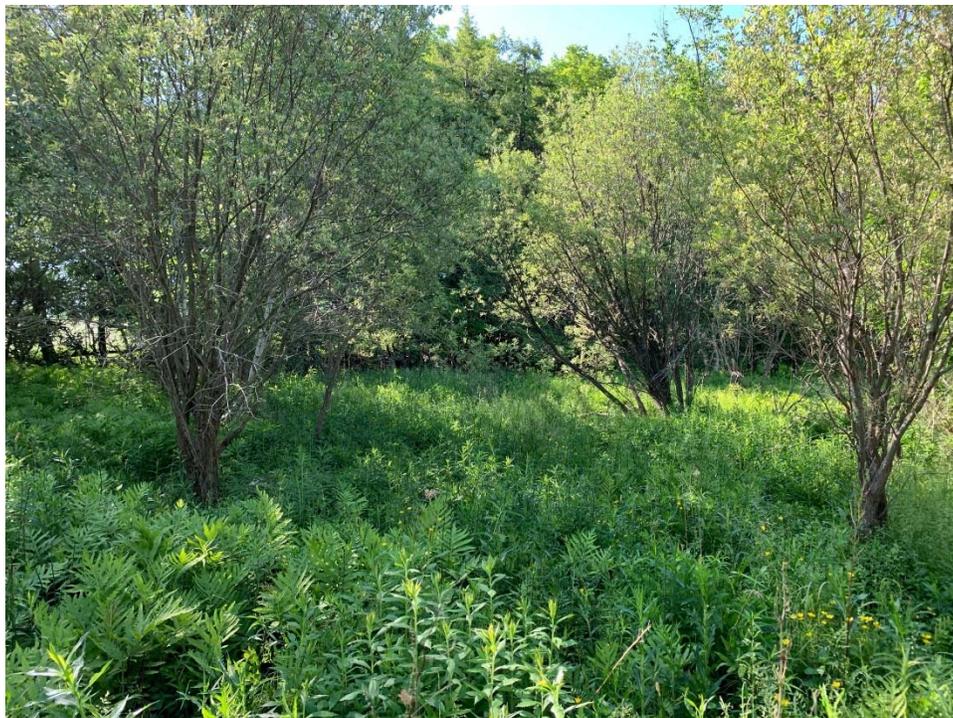


Photo 16. Wetland W-JJB-14, overview of PSS cover type, facing northeast.

Photo taken June 15, 2020.



Photo 17. Wetland W-JJB-15, PEM cover type, facing south.

Photo taken June 15, 2020.



Photo 18. Wetland W-JJB-16, PEM cover type, facing north.

Photo taken June 16, 2020.



Photo 19. Wetland W-JJB-17, PEM cover type, facing southeast.

Photo taken June 16, 2020.



Photo 20. Wetland W-JJB-18, PEM cover type, facing northwest.

Photo taken June 16, 2020.



Photo 21. Wetland W-JJB-19, PEM cover type, facing north.

Photo taken June 16, 2020.



Photo 22. Wetland W-JJB-20, overview of PSS cover type, facing north.

Photo taken June 16, 2020.



Photo 22. Wetland W-JJB-21, PEM cover type, facing north.

Photo taken June 16, 2020.



Photo 23. Wetland W-JJB-22, PEM cover type, facing north.

Photo taken June 16, 2020.



Photo 24. Wetland W-JJB-23, PSS cover type, facing north.

Photo taken June 16, 2020.



Photo 25. Wetland W-WCR-01, PFO cover type, facing west.

Photo taken June 8, 2020.



Photo 26. Wetland W-WCR-02, PFO cover type, facing west.

Photo taken June 8, 2020.



Photo 27. Wetland W-WCR-03, PFO cover type, facing east.

Photo taken June 8, 2020.



Photo 28. Wetland W-WCR-07, overview of PFO cover type, facing north.

Photo taken June 8, 2020.



Photo 29. Intermittent stream S-JJB-01, facing southeast.

Photo taken June 9, 2020



Photo 30. Perennial stream S-JJB-02, facing south.

Photo taken June 9, 2020.



Photo 31. Intermittent stream S-JJB-04, facing northwest.

Photo taken June 10, 2020.



Photo 32. Intermittent stream S-JJB-05, facing southwest.

Photo taken June 10, 2020.



Photo 33. Intermittent stream S-JJB-06, facing southwest.

Photo taken June 10, 2020.



Photo 34. Intermittent stream S-JJB-07, facing southwest.

Photo taken June 10, 2020.



Photo 35. Intermittent stream S-JJB-08, facing southwest.

Photo taken June 11, 2020.



Photo 36. Intermittent stream S-JJB-09, facing southwest.

Photo taken June 14, 2020.

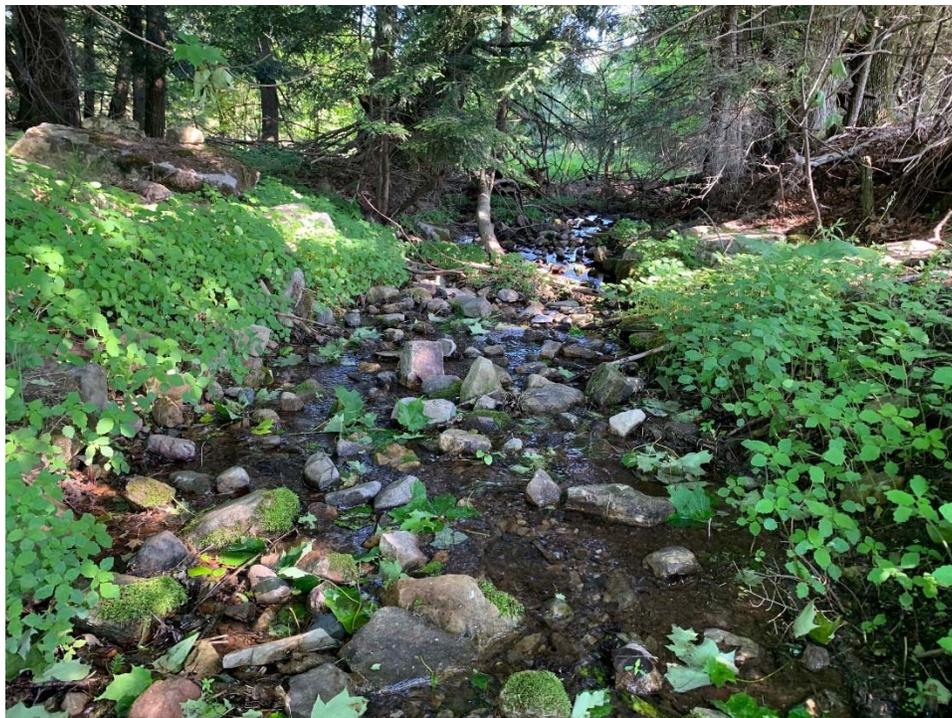


Photo 37. Perennial stream S-JJB-11, facing south.

Photo taken June 15, 2020



Photo 38. Perennial stream S-JJB-12, facing south.

Photo taken June 15, 2020.



Photo 39. Perennial stream S-JJB-13, facing south.

Photo taken June 15, 2020.



Photo 40. Perennial stream S-JJB-14, facing south.

Photo taken June 15, 2020.



Photo 41. Perennial stream S-JJB-15, facing south.

Photo taken June 15, 2020.



Photo 42. Intermittent stream S-JJB-16, facing southwest.

Photo taken June 16, 2020.



Photo 43. Ephemeral stream S-WCR-01, facing southeast.

Photo taken June 7, 2020.



Photo 44. Intermittent stream S-WCR-02, facing northwest.

Photo taken June 8, 2020.



Photo 45. Perennial stream S-BBP-03, facing north.

Photo taken June 11, 2020.



Photo 46. Ephemeral stream S-WCR-08, facing southwest.

Photo taken June 10, 2020.



Photo 47. Intermittent stream S-WCR-10, facing south.

Photo taken June 10, 2020.

APPENDIX C

Data Forms

Wetland Data Forms

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-08
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-01_PEM-1
 Investigator(s): Jake Brillo, Ben Popham Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9295428481 Long: -74.1344781965 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 3 to 8 percent slopes NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-01
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is PEM. Agriculture field.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input checked="" type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-01 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>30</u></td> <td>x 1 = <u>30</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>55</u></td> <td>x 2 = <u>110</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>85</u></td> <td>(A) <u>140</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>1.6</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>30</u>	x 1 = <u>30</u>	FACW species	<u>55</u>	x 2 = <u>110</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>85</u>	(A) <u>140</u> (B)	Prevalence Index = B/A = <u>1.6</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>30</u>	x 1 = <u>30</u>																										
FACW species	<u>55</u>	x 2 = <u>110</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>85</u>	(A) <u>140</u> (B)																										
Prevalence Index = B/A = <u>1.6</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
	<u>0</u>	= Total Cover																										
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
	<u>0</u>	= Total Cover																										
Herb Stratum (Plot size: 5 ft)																												
1. <i>Carex alopecoidea</i>	30	Yes	FACW																									
2. <i>Eleocharis obtusa</i>	30	Yes	OBL																									
3. <i>Phalaris arundinacea</i>	25	Yes	FACW																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
	<u>85</u>	= Total Cover																										
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
	<u>0</u>	= Total Cover																										
Remarks: (Include photo numbers here or on a separate sheet.) Fallow field.																												

Hydrology Photos



Vegetation Photos





Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-08
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-01_UPL-1
 Investigator(s): Jake Brillo, Ben Popham Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9294861173 Long: -74.134416841 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Area is upland, not all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
_____ _____ _____	
Remarks:	
_____ _____ _____	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-01 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>95</u></td> <td>x 4 = <u>380</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>95</u></td> <td>(A) <u>380</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>95</u>	x 4 = <u>380</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>95</u>	(A) <u>380</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>95</u>	x 4 = <u>380</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>95</u>	(A) <u>380</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Andropogon virginicus</i>	40	Yes	FACU																									
2. <i>Taraxacum officinale</i>	30	Yes	FACU																									
3. <i>Galium mollugo</i>	25	Yes	FACU																									
4. <i>Ranunculaceae</i>	25	Yes	NI																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>120</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Remarks: (Include photo numbers here or on a separate sheet.) 																												

SOIL

Sampling Point: W-JJB-01_UPL-1

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 7	10YR 2/2	100					Silt Loam	
7 - 16	10YR 2/2	95	10YR 4/6	5	C	M/PL	Silt Loam	

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

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) (LRR R, MLRA 149B)
- Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- Thin Dark Surface (S9) (LRR R, MLRA 149B)
- Loamy Mucky Mineral (F1) (LRR K, L)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- Coast Prairie Redox (A16) (LRR K, L, R)
- 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- Polyvalue Below Surface (S8) (LRR K, L)
- Thin Dark Surface (S9) (LRR K, L)
- Iron-Manganese Masses (F12) (LRR K, L, R)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (F21)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

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

Restrictive Layer (if observed):		Hydric Soil Present?	
Type:	None	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Depth (inches):			

Remarks:

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside City/County: Burke, Franklin County Sampling Date: 2021-Nov-10
 Applicant/Owner: AES State: NY Sampling Point: W-JJB-01_PEM-2
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR L Lat: 44.9293379579 Long: -74.13369013 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-01
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Remarks: (Explain alternative procedures here or in a separate report)	
Covertypes is PEM. Circumstances are not normal due to agricultural activities.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input checked="" type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-01_PEM-2

	Absolute % Cover	Dominant Species?	Indicator Status																						
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) <hr/> Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;">Total % Cover of:</th> <th style="width: 25%; text-align: center;">Multiply By:</th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">(A) <u>0</u> (B)</td> </tr> </tbody> </table> Prevalence Index = B/A = _____ <hr/> Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic <hr/> Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. <hr/> Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Total % Cover of:	Multiply By:	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>0</u>	(A) <u>0</u> (B)
	Total % Cover of:	Multiply By:																							
OBL species	<u>0</u>	x 1 = <u>0</u>																							
FACW species	<u>0</u>	x 2 = <u>0</u>																							
FAC species	<u>0</u>	x 3 = <u>0</u>																							
FACU species	<u>0</u>	x 4 = <u>0</u>																							
UPL species	<u>0</u>	x 5 = <u>0</u>																							
Column Totals	<u>0</u>	(A) <u>0</u> (B)																							
1. _____	_____	_____	_____																						
2. _____	_____	_____	_____																						
3. _____	_____	_____	_____																						
4. _____	_____	_____	_____																						
5. _____	_____	_____	_____																						
6. _____	_____	_____	_____																						
7. _____	_____	_____	_____																						
0 = Total Cover																									
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																									
1. _____	_____	_____	_____																						
2. _____	_____	_____	_____																						
3. _____	_____	_____	_____																						
4. _____	_____	_____	_____																						
5. _____	_____	_____	_____																						
6. _____	_____	_____	_____																						
7. _____	_____	_____	_____																						
0 = Total Cover																									
Herb Stratum (Plot size: <u>5 ft</u>)																									
1. <i>Poaceae</i>	95	Yes	NI																						
2. _____	_____	_____	_____																						
3. _____	_____	_____	_____																						
4. _____	_____	_____	_____																						
5. _____	_____	_____	_____																						
6. _____	_____	_____	_____																						
7. _____	_____	_____	_____																						
8. _____	_____	_____	_____																						
9. _____	_____	_____	_____																						
10. _____	_____	_____	_____																						
11. _____	_____	_____	_____																						
12. _____	_____	_____	_____																						
95 = Total Cover																									
Woody Vine Stratum (Plot size: <u>30 ft</u>)																									
1. _____	_____	_____	_____																						
2. _____	_____	_____	_____																						
3. _____	_____	_____	_____																						
4. _____	_____	_____	_____																						
0 = Total Cover																									

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot
South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside City/County: Burke, Franklin County Sampling Date: 2021-Nov-10
 Applicant/Owner: AES State: NY Sampling Point: W-JJB-01_UPL-2
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR L Lat: 44.929208083 Long: -74.1336788145 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remarks: (Explain alternative procedures here or in a separate report)	
Covertypes is UPL. Circumstances are not normal due to agricultural activities.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-01_UPL-2

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) <hr/> Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%; text-align: center;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 20%; text-align: center;">Multiply By:</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 1 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 2 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 3 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>5</u></td> <td></td> <td style="text-align: center;">x 4 =</td> <td style="text-align: center;"><u>20</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>5</u></td> <td></td> <td style="text-align: center;">(A)</td> <td style="text-align: center;"><u>20</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A =</td> <td style="text-align: center;"><u>4</u></td> </tr> </tbody> </table> <hr/> Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic <hr/> Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. <hr/> Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Total % Cover of:		Multiply By:		OBL species	<u>0</u>		x 1 =	<u>0</u>	FACW species	<u>0</u>		x 2 =	<u>0</u>	FAC species	<u>0</u>		x 3 =	<u>0</u>	FACU species	<u>5</u>		x 4 =	<u>20</u>	UPL species	<u>0</u>		x 5 =	<u>0</u>	Column Totals	<u>5</u>		(A)	<u>20</u> (B)	Prevalence Index = B/A =				<u>4</u>
	Total % Cover of:		Multiply By:																																									
OBL species	<u>0</u>		x 1 =		<u>0</u>																																							
FACW species	<u>0</u>		x 2 =		<u>0</u>																																							
FAC species	<u>0</u>		x 3 =		<u>0</u>																																							
FACU species	<u>5</u>		x 4 =		<u>20</u>																																							
UPL species	<u>0</u>		x 5 =		<u>0</u>																																							
Column Totals	<u>5</u>		(A)		<u>20</u> (B)																																							
Prevalence Index = B/A =					<u>4</u>																																							
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
<u>0</u> = Total Cover																																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
<u>0</u> = Total Cover																																												
Herb Stratum (Plot size: <u>5 ft</u>)																																												
1. <i>Poaceae</i>	90	Yes	NI																																									
2. <i>Trifolium pratense</i>	5	No	FACU																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
<u>95</u> = Total Cover																																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
<u>0</u> = Total Cover																																												
Remarks: (Include photo numbers here or on a separate sheet.)																																												

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot
South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-02_PEM-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9249893427 Long: -74.1379431077 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-02
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PEM. Area is wetland, all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>1</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-02_PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																																	
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 20%; text-align: center;">Total % Cover of:</th> <th style="width: 20%;"></th> <th style="width: 20%; text-align: center;">Multiply By:</th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>40</u></td> <td>x 1 =</td> <td style="text-align: center;"><u>40</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>30</u></td> <td>x 2 =</td> <td style="text-align: center;"><u>60</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>15</u></td> <td>x 3 =</td> <td style="text-align: center;"><u>45</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>5</u></td> <td>x 4 =</td> <td style="text-align: center;"><u>20</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>90</u></td> <td>(A)</td> <td style="text-align: center;"><u>165</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: center;">Prevalence Index = B/A = <u>1.8</u></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:	OBL species	<u>40</u>	x 1 =	<u>40</u>	FACW species	<u>30</u>	x 2 =	<u>60</u>	FAC species	<u>15</u>	x 3 =	<u>45</u>	FACU species	<u>5</u>	x 4 =	<u>20</u>	UPL species	<u>0</u>	x 5 =	<u>0</u>	Column Totals	<u>90</u>	(A)	<u>165</u> (B)	Prevalence Index = B/A = <u>1.8</u>			
	Total % Cover of:		Multiply By:																																	
OBL species	<u>40</u>	x 1 =	<u>40</u>																																	
FACW species	<u>30</u>	x 2 =	<u>60</u>																																	
FAC species	<u>15</u>	x 3 =	<u>45</u>																																	
FACU species	<u>5</u>	x 4 =	<u>20</u>																																	
UPL species	<u>0</u>	x 5 =	<u>0</u>																																	
Column Totals	<u>90</u>	(A)	<u>165</u> (B)																																	
Prevalence Index = B/A = <u>1.8</u>																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
<u>0</u> = Total Cover																																				
Sapling/Shrub Stratum (Plot size: 15 ft)																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
<u>0</u> = Total Cover																																				
Herb Stratum (Plot size: 5 ft)																																				
1. <i>Acorus calamus</i>	40	Yes	OBL																																	
2. <i>Epilobium hirsutum</i>	30	Yes	FACW																																	
3. <i>Equisetum arvense</i>	15	No	FAC																																	
4. <i>Vicia americana</i>	5	No	FACU																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
8. _____	_____	_____	_____																																	
9. _____	_____	_____	_____																																	
10. _____	_____	_____	_____																																	
11. _____	_____	_____	_____																																	
12. _____	_____	_____	_____																																	
<u>90</u> = Total Cover																																				
Woody Vine Stratum (Plot size: 30 ft)																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
<u>0</u> = Total Cover																																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																				
Remarks: (Include photo numbers here or on a separate sheet.) 																																				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-02_PSS-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Flood Plain Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9239193509 Long: -74.1379427724 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-02
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is PSS.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input checked="" type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-02 PSS-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>80</u></td> <td style="text-align: center;">x 2 = <u>160</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>55</u></td> <td style="text-align: center;">x 3 = <u>165</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>135</u></td> <td style="text-align: center;">(A) <u>325</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>2.4</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>80</u>	x 2 = <u>160</u>	FAC species	<u>55</u>	x 3 = <u>165</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>135</u>	(A) <u>325</u> (B)	Prevalence Index = B/A = <u>2.4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>80</u>	x 2 = <u>160</u>																										
FAC species	<u>55</u>	x 3 = <u>165</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>135</u>	(A) <u>325</u> (B)																										
Prevalence Index = B/A = <u>2.4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. <i>Alnus incana</i>	60	Yes	FACW																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>60</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Solidago rugosa</i>	40	Yes	FAC																									
2. <i>Solidago gigantea</i>	20	Yes	FACW																									
3. <i>Euthamia graminifolia</i>	15	Yes	FAC																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>75</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) 																												

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot
South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-02_UPL-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Knoll Local relief (concave, convex, none): None Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.9238778186 Long: -74.1379103345 Datum: WGS84
 Soil Map Unit Name: Moira stony loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-02_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>115</u></td> <td style="text-align: center;">x 4 = <u>460</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>115</u></td> <td style="text-align: center;"><u>(A)</u> <u>460</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>115</u>	x 4 = <u>460</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>115</u>	<u>(A)</u> <u>460</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>115</u>	x 4 = <u>460</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>115</u>	<u>(A)</u> <u>460</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Poa pratensis</i>	40	Yes	FACU																									
2. <i>Plantago lanceolata</i>	30	Yes	FACU																									
3. <i>Taraxacum officinale</i>	20	No	FACU																									
4. <i>Fragaria virginiana</i>	15	No	FACU																									
5. <i>Vicia americana</i>	10	No	FACU																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>115</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Remarks: (Include photo numbers here or on a separate sheet.) Fallow field.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-02_UPL-2
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.9251390016 Long: -74.1378357355 Datum: WGS84
 Soil Map Unit Name: Moira stony loam, 8 to 15 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Area is upland, not all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-02_UPL-2

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>20</u></td> <td style="text-align: center;">x 3 = <u>60</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>85</u></td> <td style="text-align: center;">x 4 = <u>340</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>105</u></td> <td style="text-align: center;">(A) <u>400</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>3.8</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>20</u>	x 3 = <u>60</u>	FACU species	<u>85</u>	x 4 = <u>340</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>105</u>	(A) <u>400</u> (B)	Prevalence Index = B/A = <u>3.8</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>20</u>	x 3 = <u>60</u>																										
FACU species	<u>85</u>	x 4 = <u>340</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>105</u>	(A) <u>400</u> (B)																										
Prevalence Index = B/A = <u>3.8</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
0 = Total Cover																												
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
0 = Total Cover																												
Herb Stratum (Plot size: 5 ft)																												
1. <i>Tussilago farfara</i>	40	Yes	FACU																									
2. <i>Galium mollugo</i>	30	Yes	FACU																									
3. <i>Solidago rugosa</i>	20	No	FAC																									
4. <i>Vicia americana</i>	15	No	FACU																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
105 = Total Cover																												
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
0 = Total Cover																												
Remarks: (Include photo numbers here or on a separate sheet.) Fallow field.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-03_PEM-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): None Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9277674826 Long: -74.1370753293 Datum: WGS84
 Soil Map Unit Name: Moira stony loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-03
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is PEM. Roadside Ditch.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input checked="" type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-03 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>60</u></td> <td style="text-align: center;">x 2 = <u>120</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>25</u></td> <td style="text-align: center;">x 3 = <u>75</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>15</u></td> <td style="text-align: center;">x 4 = <u>60</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>100</u></td> <td style="text-align: center;">(A) <u>255</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: right;">Prevalence Index = B/A = <u>2.6</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>60</u>	x 2 = <u>120</u>	FAC species	<u>25</u>	x 3 = <u>75</u>	FACU species	<u>15</u>	x 4 = <u>60</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>100</u>	(A) <u>255</u> (B)	Prevalence Index = B/A = <u>2.6</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>60</u>	x 2 = <u>120</u>																										
FAC species	<u>25</u>	x 3 = <u>75</u>																										
FACU species	<u>15</u>	x 4 = <u>60</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>100</u>	(A) <u>255</u> (B)																										
Prevalence Index = B/A = <u>2.6</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
	<u>0</u>	= Total Cover																										
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
	<u>0</u>	= Total Cover																										
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Salix discolor</i>	40	Yes	FACW																									
2. <i>Salix bebbiana</i>	20	Yes	FACW																									
3. <i>Populus tremuloides</i>	15	No	FACU																									
4. <i>Solidago rugosa</i>	15	No	FAC																									
5. <i>Solanum dulcamara</i>	10	No	FAC																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
	<u>100</u>	= Total Cover																										
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
	<u>0</u>	= Total Cover																										
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) Maintained road shoulder.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-03_UPL-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Knoll Local relief (concave, convex, none): None Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9276179914 Long: -74.1371061747 Datum: WGS84
 Soil Map Unit Name: Moira stony loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-03 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>105</u></td> <td>x 4 = <u>420</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>105</u></td> <td>(A) <u>420</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>105</u>	x 4 = <u>420</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>105</u>	(A) <u>420</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>105</u>	x 4 = <u>420</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>105</u>	(A) <u>420</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Poa pratensis</i>	80	Yes	FACU																									
2. <i>Trifolium repens</i>	15	No	FACU																									
3. <i>Vicia americana</i>	10	No	FACU																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>105</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) 																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-04_PEM-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9306488457 Long: -74.1299280804 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-04
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is PEM. Wetland was PFO, recently clear cut.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input checked="" type="checkbox"/> Surface Water (A1) <input checked="" type="checkbox"/> Water-Stained Leaves (B9) <input checked="" type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>1</u>
Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>4</u>
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>0</u>
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	
The criterion for wetland hydrology is met.	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-04 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width:100%; border:none;"> <tr> <td style="text-align:right;">Total % Cover of:</td> <td style="text-align:right;">Multiply By:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>80</u></td> <td>x 2 = <u>160</u></td> </tr> <tr> <td>FAC species <u>10</u></td> <td>x 3 = <u>30</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>90</u></td> <td>(A) <u>190</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>2.1</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>80</u>	x 2 = <u>160</u>	FAC species <u>10</u>	x 3 = <u>30</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>90</u>	(A) <u>190</u> (B)	Prevalence Index = B/A = <u>2.1</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>80</u>	x 2 = <u>160</u>																			
FAC species <u>10</u>	x 3 = <u>30</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>90</u>	(A) <u>190</u> (B)																			
Prevalence Index = B/A = <u>2.1</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Onoclea sensibilis</i>	50	Yes	FACW																	
2. <i>Viburnum nudum</i>	30	Yes	FACW																	
3. <i>Solanum dulcamara</i>	10	No	FAC																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>90</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Remarks: (Include photo numbers here or on a separate sheet.) Area was clear cut.																				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-04_UPL-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Agricultural field Local relief (concave, convex, none): Convex Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9306077324 Long: -74.1299377196 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is UPL. Area clear cut recently .			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-04 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>100</u></td> <td style="text-align: center;">x 4 = <u>400</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>100</u></td> <td style="text-align: center;"><u>(A) 400 (B)</u></td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>100</u>	x 4 = <u>400</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>100</u>	<u>(A) 400 (B)</u>	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>100</u>	x 4 = <u>400</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>100</u>	<u>(A) 400 (B)</u>																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Poa pratensis</i>	75	Yes	FACU																									
2. <i>Galium mollugo</i>	15	No	FACU																									
3. <i>Trifolium repens</i>	10	No	FACU																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>100</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) Fallow field.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-05_PSS-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9275989226 Long: -74.1267542728 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-05
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is PSS. Surrounding area clear cut recently .			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>6</u>	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (includes capillary fringe)	Depth (inches): <u>0</u>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-05 PSS-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total % Cover of:</td> <td style="text-align: center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>20</u></td> <td>x 1 = <u>20</u></td> </tr> <tr> <td>FACW species <u>70</u></td> <td>x 2 = <u>140</u></td> </tr> <tr> <td>FAC species <u>40</u></td> <td>x 3 = <u>120</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>130</u></td> <td>(A) <u>280</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.2</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>20</u>	x 1 = <u>20</u>	FACW species <u>70</u>	x 2 = <u>140</u>	FAC species <u>40</u>	x 3 = <u>120</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>130</u>	(A) <u>280</u> (B)	Prevalence Index = B/A = <u>2.2</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>20</u>	x 1 = <u>20</u>																			
FACW species <u>70</u>	x 2 = <u>140</u>																			
FAC species <u>40</u>	x 3 = <u>120</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>130</u>	(A) <u>280</u> (B)																			
Prevalence Index = B/A = <u>2.2</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. <i>Viburnum lentago</i>	40	Yes	FAC																	
2. <i>Salix nigra</i>	20	Yes	OBL																	
3. <i>Salix bebbiana</i>	20	Yes	FACW																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>80</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Onoclea sensibilis</i>	30	Yes	FACW																	
2. <i>Solidago gigantea</i>	20	Yes	FACW																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>50</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Remarks: (Include photo numbers here or on a separate sheet.) 																				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-05_UPL-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Convex Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9275537441 Long: -74.1270947457 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Area is upland, not all three wetland parameters are present. Recently clear cut.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-05 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>60</u></td> <td style="text-align: center;">x 4 = <u>240</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>60</u></td> <td style="text-align: center;">(A) <u>240</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>60</u>	x 4 = <u>240</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>60</u>	(A) <u>240</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>60</u>	x 4 = <u>240</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>60</u>	(A) <u>240</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: 5 ft)																												
1. <i>Fragaria virginiana</i>	40	Yes	FACU																									
2. <i>Ambrosia artemisiifolia</i>	20	Yes	FACU																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>60</u> = Total Cover																												
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) Area recently clear cut.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-10
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-06_PUB-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9247294618 Long: -74.1261787713 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No ____ (If no, explain in Remarks.)
 Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes No ____
 Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-JJB-06
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PUB. Artificial pond.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input checked="" type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>24</u>	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____
Water Table Present? Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>0</u>	
Saturation Present? Yes <input checked="" type="checkbox"/> No ____ (includes capillary fringe)	Depth (inches): <u>0</u>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-06 PUB-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>45</u></td> <td style="text-align: center;">x 1 = <u>45</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>20</u></td> <td style="text-align: center;">x 2 = <u>40</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>65</u> (A)</td> <td style="text-align: center;"><u>85</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>1.3</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>45</u>	x 1 = <u>45</u>	FACW species	<u>20</u>	x 2 = <u>40</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>65</u> (A)	<u>85</u> (B)	Prevalence Index = B/A = <u>1.3</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>45</u>	x 1 = <u>45</u>																										
FACW species	<u>20</u>	x 2 = <u>40</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>65</u> (A)	<u>85</u> (B)																										
Prevalence Index = B/A = <u>1.3</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Typha angustifolia</i>	30	Yes	OBL																									
2. <i>Bidens frondosa</i>	20	Yes	FACW																									
3. <i>Salix nigra</i>	15	Yes	OBL																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>65</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Remarks: (Include photo numbers here or on a separate sheet.)																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-10
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-06_UPL-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Field Local relief (concave, convex, none): None Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9247688987 Long: -74.1259199382 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	
The criterion for wetland hydrology is not met.	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-06 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>120</u></td> <td>x 4 = <u>480</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>120</u></td> <td>(A) <u>480</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>120</u>	x 4 = <u>480</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>120</u>	(A) <u>480</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>120</u>	x 4 = <u>480</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>120</u>	(A) <u>480</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Poa pratensis</i>	60	Yes	FACU																									
2. <i>Dactylis glomerata</i>	30	Yes	FACU																									
3. <i>Galium mollugo</i>	20	No	FACU																									
4. <i>Vicia americana</i>	10	No	FACU																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>120</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Remarks: (Include photo numbers here or on a separate sheet.) Fallow field.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-10
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-07_PSS-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.928439376 Long: -74.1249725316 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-07
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PSS. Ag field .			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
The criterion for wetland hydrology is met.		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-07 PSS-1

	Absolute % Cover	Dominant Species?	Indicator Status																																	
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%; text-align: center;">Total % Cover of:</th> <th style="width: 20%;"></th> <th style="width: 20%; text-align: center;">Multiply By:</th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>40</u></td> <td>x 1 =</td> <td style="text-align: center;"><u>40</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>75</u></td> <td>x 2 =</td> <td style="text-align: center;"><u>150</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td>x 4 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>115</u></td> <td>(A)</td> <td style="text-align: center;"><u>190</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: center;">Prevalence Index = B/A = <u>1.7</u></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:	OBL species	<u>40</u>	x 1 =	<u>40</u>	FACW species	<u>75</u>	x 2 =	<u>150</u>	FAC species	<u>0</u>	x 3 =	<u>0</u>	FACU species	<u>0</u>	x 4 =	<u>0</u>	UPL species	<u>0</u>	x 5 =	<u>0</u>	Column Totals	<u>115</u>	(A)	<u>190</u> (B)	Prevalence Index = B/A = <u>1.7</u>			
	Total % Cover of:		Multiply By:																																	
OBL species	<u>40</u>	x 1 =	<u>40</u>																																	
FACW species	<u>75</u>	x 2 =	<u>150</u>																																	
FAC species	<u>0</u>	x 3 =	<u>0</u>																																	
FACU species	<u>0</u>	x 4 =	<u>0</u>																																	
UPL species	<u>0</u>	x 5 =	<u>0</u>																																	
Column Totals	<u>115</u>	(A)	<u>190</u> (B)																																	
Prevalence Index = B/A = <u>1.7</u>																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
<u>0</u> = Total Cover																																				
Sapling/Shrub Stratum (Plot size: 15 ft)																																				
1. <i>Salix nigra</i>	20	Yes	OBL																																	
2. <i>Salix bebbiana</i>	15	Yes	FACW																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
<u>35</u> = Total Cover																																				
Herb Stratum (Plot size: 5 ft)																																				
1. <i>Onoclea sensibilis</i>	60	Yes	FACW																																	
2. <i>Carex vulpinoidea</i>	20	Yes	OBL																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
8. _____	_____	_____	_____																																	
9. _____	_____	_____	_____																																	
10. _____	_____	_____	_____																																	
11. _____	_____	_____	_____																																	
12. _____	_____	_____	_____																																	
<u>80</u> = Total Cover																																				
Woody Vine Stratum (Plot size: 30 ft)																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
<u>0</u> = Total Cover																																				
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																				
Remarks: (Include photo numbers here or on a separate sheet.) 																																				

SOIL

Sampling Point: W-JJB-07 PSS-1

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 8	10YR 3/1	100					Silt Loam	
8 - 16	10YR 4/2	90	10YR 3/6	10	C	M	Silt Loam	

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

- | | | |
|--|--|---|
| <p>Hydric Soil Indicators:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Histosol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B) | <ul style="list-style-type: none"> <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B) <input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B) <input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input checked="" type="checkbox"/> Depleted Matrix (F3) <input checked="" type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8) | <p>Indicators for Problematic Hydric Soils³:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B) <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) <input type="checkbox"/> Dark Surface (S7) (LRR K, L) <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR K, L) <input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L) <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) <input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149B) <input type="checkbox"/> Mesic Spodic (TA6) (MLRA 144A, 145, 149B) <input type="checkbox"/> Red Parent Material (F21) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (Explain in Remarks) |
|--|--|---|

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

Restrictive Layer (if observed):	Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Type: <u> Rocks </u>	
Depth (inches): <u> 16 </u>	

Remarks:

A positive indication of hydric soil was observed.

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-10
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-07_UPL-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Ag field Local relief (concave, convex, none): None Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.9285752466 Long: -74.1252744478 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Ag field.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
The criterion for wetland hydrology is not met.		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-07 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>175</u></td> <td style="text-align: center;">x 4 = <u>700</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>175</u></td> <td style="text-align: center;">(A) <u>700</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>175</u>	x 4 = <u>700</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>175</u>	(A) <u>700</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>175</u>	x 4 = <u>700</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>175</u>	(A) <u>700</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
0 = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
0 = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Poa pratensis</i>	80	Yes	FACU																									
2. <i>Dactylis glomerata</i>	60	Yes	FACU																									
3. <i>Galium mollugo</i>	20	No	FACU																									
4. <i>Trifolium repens</i>	15	No	FACU																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
175 = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
0 = Total Cover																												
Remarks: (Include photo numbers here or on a separate sheet.) Fallow field.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-10
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-08_PFO-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9264150206 Long: -74.123242423 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-08
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PFO. Area is wetland, all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input checked="" type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input checked="" type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-08_PFO-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>130</u></td> <td>x 2 = <u>260</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>20</u></td> <td>x 3 = <u>60</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>150</u></td> <td>(A) <u>320</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>2.1</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>130</u>	x 2 = <u>260</u>	FAC species	<u>20</u>	x 3 = <u>60</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>150</u>	(A) <u>320</u> (B)	Prevalence Index = B/A = <u>2.1</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>130</u>	x 2 = <u>260</u>																										
FAC species	<u>20</u>	x 3 = <u>60</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>150</u>	(A) <u>320</u> (B)																										
Prevalence Index = B/A = <u>2.1</u>																												
1. <i>Fraxinus pennsylvanica</i>	30	Yes	FACW																									
2. <i>Acer negundo</i>	20	Yes	FAC																									
3. _____																												
4. _____																												
5. _____																												
6. _____																												
7. _____																												
<u>50</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. <i>Viburnum nudum</i>	20	Yes	FACW																									
2. _____																												
3. _____																												
4. _____																												
5. _____																												
6. _____																												
7. _____																												
<u>20</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Onoclea sensibilis</i>	60	Yes	FACW																									
2. <i>Impatiens capensis</i>	20	Yes	FACW																									
3. _____																												
4. _____																												
5. _____																												
6. _____																												
7. _____																												
8. _____																												
9. _____																												
10. _____																												
11. _____																												
12. _____																												
<u>80</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____																												
2. _____																												
3. _____																												
4. _____																												
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.)																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-June-10
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-08_UPL-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Field Local relief (concave, convex, none): Convex Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9270149554 Long: -74.1248260998 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Ag field.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-08_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>145</u></td> <td>x 4 = <u>580</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>145</u></td> <td>(A) <u>580</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>145</u>	x 4 = <u>580</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>145</u>	(A) <u>580</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>145</u>	x 4 = <u>580</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>145</u>	(A) <u>580</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: 5 ft)																												
1. <i>Dactylis glomerata</i>	75	Yes	FACU																									
2. <i>Galium mollugo</i>	50	Yes	FACU																									
3. <i>Trifolium hybridum</i>	20	No	FACU																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>145</u> = Total Cover																												
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) Fallow field.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-10
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-09_PEM-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9360185862 Long: -74.1284408794 Datum: WGS84
 Soil Map Unit Name: Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-09
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is PEM.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
The criterion for wetland hydrology is met.		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-09 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total % Cover of:</td> <td style="text-align: center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>100</u></td> <td>x 2 = <u>200</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>100</u></td> <td>(A) <u>200</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2</u></td> </tr> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Total % Cover of:	Multiply By:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>100</u>	x 2 = <u>200</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>100</u>	(A) <u>200</u> (B)	Prevalence Index = B/A = <u>2</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>100</u>	x 2 = <u>200</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>100</u>	(A) <u>200</u> (B)																			
Prevalence Index = B/A = <u>2</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
	<u>0</u>	= Total Cover																		
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
	<u>0</u>	= Total Cover																		
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Onoclea sensibilis</i>	80	Yes	FACW																	
2. <i>Impatiens capensis</i>	20	Yes	FACW																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
	<u>100</u>	= Total Cover																		
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
	<u>0</u>	= Total Cover																		
Remarks: (Include photo numbers here or on a separate sheet.)																				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-10
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-09_UPL-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.936087234 Long: -74.1281805374 Datum: WGS84
 Soil Map Unit Name: Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-09 UPL-1

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <i>Acer saccharum</i>	60	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:	0 (A)
2. <i>Prunus serotina</i>	20	Yes	FACU	Total Number of Dominant Species Across All Strata:	6 (B)
3. _____				Percent of Dominant Species That Are OBL, FACW, or FAC:	0 (A/B)
4. _____				Prevalence Index worksheet:	
5. _____				Total % Cover of:	Multiply By:
6. _____				OBL species	0 x 1 = 0
7. _____				FACW species	0 x 2 = 0
	80	= Total Cover		FAC species	0 x 3 = 0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FACU species	140 x 4 = 560
1. <i>Acer saccharum</i>	20	Yes	FACU	UPL species	0 x 5 = 0
2. <i>Tilia americana</i>	10	Yes	FACU	Column Totals	140 (A) 560 (B)
3. _____				Prevalence Index = B/A = <u>4</u>	
4. _____				Hydrophytic Vegetation Indicators:	
5. _____				___ 1- Rapid Test for Hydrophytic Vegetation	
6. _____				___ 2 - Dominance Test is > 50%	
7. _____				___ 3 - Prevalence Index is ≤ 3.0 ¹	
	30	= Total Cover		___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
Herb Stratum (Plot size: <u>5 ft</u>)				___ Problematic Hydrophytic Vegetation ¹ (Explain)	
1. <i>Amelanchier arborea</i>	15	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Prunus serotina</i>	15	Yes	FACU	Definitions of Vegetation Strata:	
3. _____				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
4. _____				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.	
5. _____				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
6. _____				Woody vines – All woody vines greater than 3.28 ft in height.	
7. _____				Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>	
8. _____					
9. _____					
10. _____					
11. _____					
12. _____					
	30	= Total Cover			
Woody Vine Stratum (Plot size: <u>30 ft</u>)					
1. _____					
2. _____					
3. _____					
4. _____					
	0	= Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.)					

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-10_PEM-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9332339922 Long: -74.1246719566 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-10
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PEM. Area recently clear cut.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input checked="" type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input checked="" type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-10_PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width:100%; border:none;"> <tr> <td style="text-align:right;">Total % Cover of:</td> <td style="text-align:right;">Multiply By:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>55</u></td> <td>x 2 = <u>110</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>55</u></td> <td>(A) <u>110</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>2</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>55</u>	x 2 = <u>110</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>55</u>	(A) <u>110</u> (B)	Prevalence Index = B/A = <u>2</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>55</u>	x 2 = <u>110</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>55</u>	(A) <u>110</u> (B)																			
Prevalence Index = B/A = <u>2</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Onoclea sensibilis</i>	30	Yes	FACW																	
2. <i>Viburnum nudum</i>	15	Yes	FACW																	
3. <i>Impatiens capensis</i>	10	No	FACW																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>55</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Remarks: (Include photo numbers here or on a separate sheet.) Recent logging activity.																				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-10_UPL-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Ag field Local relief (concave, convex, none): None Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9333750178 Long: -74.124622671 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Ag field .			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-10 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>10</u></td> <td style="text-align: center;">x 3 = <u>30</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>140</u></td> <td style="text-align: center;">x 4 = <u>560</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>150</u></td> <td style="text-align: center;"><u>(A) 590 (B)</u></td> </tr> <tr> <td colspan="3" style="text-align: right;">Prevalence Index = B/A = <u>3.9</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>10</u>	x 3 = <u>30</u>	FACU species	<u>140</u>	x 4 = <u>560</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>150</u>	<u>(A) 590 (B)</u>	Prevalence Index = B/A = <u>3.9</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>10</u>	x 3 = <u>30</u>																										
FACU species	<u>140</u>	x 4 = <u>560</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>150</u>	<u>(A) 590 (B)</u>																										
Prevalence Index = B/A = <u>3.9</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: 5 ft)																												
1. <i>Dactylis glomerata</i>	80	Yes	FACU																									
2. <i>Anthoxanthum odoratum</i>	40	Yes	FACU																									
3. <i>Galium mollugo</i>	20	No	FACU																									
4. <i>Rumex crispus</i>	10	No	FAC																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>150</u> = Total Cover																												
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Remarks: (Include photo numbers here or on a separate sheet.) Fallow field.																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-11_PSS-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.918037518 Long: -74.1314126831 Datum: WGS84
 Soil Map Unit Name: Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No ____ (If no, explain in Remarks.)
 Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes No ____
 Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-JJB-11
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PSS. Ag activity.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____
Water Table Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>0</u>	
<i>(includes capillary fringe)</i>		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-11 PSS-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>45</u></td> <td>x 1 = <u>45</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>115</u></td> <td>x 2 = <u>230</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>160</u></td> <td>(A) <u>275</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>1.7</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>45</u>	x 1 = <u>45</u>	FACW species	<u>115</u>	x 2 = <u>230</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>160</u>	(A) <u>275</u> (B)	Prevalence Index = B/A = <u>1.7</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>45</u>	x 1 = <u>45</u>																										
FACW species	<u>115</u>	x 2 = <u>230</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>160</u>	(A) <u>275</u> (B)																										
Prevalence Index = B/A = <u>1.7</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. <i>Salix bebbiana</i>	25	Yes	FACW																									
2. <i>Salix nigra</i>	15	Yes	OBL																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>40</u> = Total Cover																												
Herb Stratum (Plot size: 5 ft)																												
1. <i>Onoclea sensibilis</i>	70	Yes	FACW																									
2. <i>Juncus effusus</i>	30	Yes	OBL																									
3. <i>Solidago gigantea</i>	20	No	FACW																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>120</u> = Total Cover																												
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) 																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-11_UPL-1
 Investigator(s): Jake Brillo, Ben Poppam Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Agricultural field Local relief (concave, convex, none): None Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9180140486 Long: -74.1316586082 Datum: WGS84
 Soil Map Unit Name: Empeyville stony very fine sandy loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Agricultural field.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-11 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>115</u></td> <td>x 4 = <u>460</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>115</u></td> <td>(A) <u>460</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>115</u>	x 4 = <u>460</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>115</u>	(A) <u>460</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>115</u>	x 4 = <u>460</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>115</u>	(A) <u>460</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Poa pratensis</i>	70	Yes	FACU																									
2. <i>Trifolium pratense</i>	30	Yes	FACU																									
3. <i>Taraxacum officinale</i>	15	No	FACU																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>115</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) Active agricultural field.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-15
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-12_PEM-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.915565108 Long: -74.1351757386 Datum: WGS84
 Soil Map Unit Name: Empeyville stony very fine sandy loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No ____ (If no, explain in Remarks.)
 Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes No ____
 Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-JJB-12
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PEM.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____
Water Table Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
The criterion for wetland hydrology is met.		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-12_PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>80</u></td> <td style="text-align: center;">x 1 = <u>80</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>35</u></td> <td style="text-align: center;">x 2 = <u>70</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>115</u></td> <td style="text-align: center;">(A) <u>150</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>1.3</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>80</u>	x 1 = <u>80</u>	FACW species	<u>35</u>	x 2 = <u>70</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>115</u>	(A) <u>150</u> (B)	Prevalence Index = B/A = <u>1.3</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>80</u>	x 1 = <u>80</u>																										
FACW species	<u>35</u>	x 2 = <u>70</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>115</u>	(A) <u>150</u> (B)																										
Prevalence Index = B/A = <u>1.3</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Carex vulpinoidea</i>	50	Yes	OBL																									
2. <i>Scirpus cyperinus</i>	30	Yes	OBL																									
3. <i>Onoclea sensibilis</i>	25	Yes	FACW																									
4. <i>Impatiens capensis</i>	10	No	FACW																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>115</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Remarks: (Include photo numbers here or on a separate sheet.)																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-15
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-12_UPL-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.9155193428 Long: -74.1351848748 Datum: WGS84
 Soil Map Unit Name: Empeyville stony very fine sandy loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
<input type="checkbox"/>		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-12_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>155</u></td> <td style="text-align: center;">x 4 = <u>620</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>155</u></td> <td style="text-align: center;">(A) <u>620</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>155</u>	x 4 = <u>620</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>155</u>	(A) <u>620</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>155</u>	x 4 = <u>620</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>155</u>	(A) <u>620</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. <i>Acer saccharum</i>	60	Yes	FACU																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
60 = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
0 = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Dactylis glomerata</i>	75	Yes	FACU																									
2. <i>Acer saccharum</i>	20	Yes	FACU																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
95 = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
0 = Total Cover																												
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.)																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-16
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-13_PEM-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9184935773 Long: -74.1356505734 Datum: WGS84
 Soil Map Unit Name: Empeyville stony very fine sandy loam, 8 to 15 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-13
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PEM. Ag ditch.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-13 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: <u>30 ft</u>)				<p>Dominance Test worksheet:</p> <p>Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)</p> <p>Total Number of Dominant Species Across All Strata: <u>3</u> (B)</p> <p>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)</p> <hr/> <p>Prevalence Index worksheet:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%; text-align: center;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: center;">Multiply By:</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>50</u></td> <td></td> <td style="text-align: center;">x 1 =</td> <td style="text-align: center;"><u>50</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>40</u></td> <td></td> <td style="text-align: center;">x 2 =</td> <td style="text-align: center;"><u>80</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 3 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 4 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>90</u></td> <td style="text-align: center;">(A)</td> <td></td> <td style="text-align: center;"><u>130</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A =</td> <td style="text-align: center;"><u>1.4</u></td> </tr> </tbody> </table> <p>Hydrophytic Vegetation Indicators:</p> <p><input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation</p> <p><input checked="" type="checkbox"/> 2 - Dominance Test is >50%</p> <p><input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0¹</p> <p><input type="checkbox"/> 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)</p> <p><input type="checkbox"/> Problematic Hydrophytic Vegetation¹ (Explain)</p> <p>¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic</p> <hr/> <p>Definitions of Vegetation Strata:</p> <p>Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.</p> <p>Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.</p> <p>Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.</p> <p>Woody vines – All woody vines greater than 3.28 ft in height.</p> <hr/> <p>Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>		Total % Cover of:		Multiply By:		OBL species	<u>50</u>		x 1 =	<u>50</u>	FACW species	<u>40</u>		x 2 =	<u>80</u>	FAC species	<u>0</u>		x 3 =	<u>0</u>	FACU species	<u>0</u>		x 4 =	<u>0</u>	UPL species	<u>0</u>		x 5 =	<u>0</u>	Column Totals	<u>90</u>	(A)		<u>130</u> (B)	Prevalence Index = B/A =				<u>1.4</u>
	Total % Cover of:		Multiply By:																																									
OBL species	<u>50</u>		x 1 =		<u>50</u>																																							
FACW species	<u>40</u>		x 2 =		<u>80</u>																																							
FAC species	<u>0</u>		x 3 =		<u>0</u>																																							
FACU species	<u>0</u>		x 4 =		<u>0</u>																																							
UPL species	<u>0</u>		x 5 =		<u>0</u>																																							
Column Totals	<u>90</u>	(A)			<u>130</u> (B)																																							
Prevalence Index = B/A =					<u>1.4</u>																																							
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
	<u>0</u>	= Total Cover																																										
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
	<u>0</u>	= Total Cover																																										
Herb Stratum (Plot size: <u>5 ft</u>)																																												
1. <i>Onoclea sensibilis</i>	<u>40</u>	Yes	FACW																																									
2. <i>Symphytotrichum puniceum</i>	<u>30</u>	Yes	OBL																																									
3. <i>Typha latifolia</i>	<u>20</u>	Yes	OBL																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
	<u>90</u>	= Total Cover																																										
Woody Vine Stratum (Plot size: <u>30 ft</u>)																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
	<u>0</u>	= Total Cover																																										
Remarks: (Include photo numbers here or on a separate sheet.)																																												

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-13 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>70</u></td> <td style="text-align: center;">x 4 = <u>280</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>70</u></td> <td style="text-align: center;">(A) <u>280</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>70</u>	x 4 = <u>280</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>70</u>	(A) <u>280</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>70</u>	x 4 = <u>280</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>70</u>	(A) <u>280</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Anthoxanthum odoratum</i>	40	Yes	FACU																									
2. <i>Dactylis glomerata</i>	30	Yes	FACU																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>70</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.)																												

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-14 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>40</u></td> <td style="text-align: center;">x 1 = <u>40</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>100</u></td> <td style="text-align: center;">x 2 = <u>200</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>140</u></td> <td style="text-align: center;">(A) <u>240</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: right;">Prevalence Index = B/A = <u>1.7</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>40</u>	x 1 = <u>40</u>	FACW species	<u>100</u>	x 2 = <u>200</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>140</u>	(A) <u>240</u> (B)	Prevalence Index = B/A = <u>1.7</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>40</u>	x 1 = <u>40</u>																										
FACW species	<u>100</u>	x 2 = <u>200</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>140</u>	(A) <u>240</u> (B)																										
Prevalence Index = B/A = <u>1.7</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: 5 ft)																												
1. <i>Epilobium hirsutum</i>	70	Yes	FACW																									
2. <i>Typha latifolia</i>	40	Yes	OBL																									
3. <i>Onoclea sensibilis</i>	20	No	FACW																									
4. <i>Impatiens capensis</i>	10	No	FACW																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>140</u> = Total Cover																												
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) 																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-16
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-14_PSS-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9186920608 Long: -74.1356940754 Datum: WGS84
 Soil Map Unit Name: Sun very stony loam, 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-14
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is PSS.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-14 PSS-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>160</u></td> <td style="text-align: center;">x 2 = <u>320</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>20</u></td> <td style="text-align: center;">x 3 = <u>60</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>180</u></td> <td style="text-align: center;">(A) <u>380</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>2.1</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>160</u>	x 2 = <u>320</u>	FAC species	<u>20</u>	x 3 = <u>60</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>180</u>	(A) <u>380</u> (B)	Prevalence Index = B/A = <u>2.1</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>160</u>	x 2 = <u>320</u>																										
FAC species	<u>20</u>	x 3 = <u>60</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>180</u>	(A) <u>380</u> (B)																										
Prevalence Index = B/A = <u>2.1</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. <i>Salix bebbiana</i>	60	Yes	FACW																									
2. <i>Betula populifolia</i>	20	Yes	FAC																									
3. <i>Fraxinus pennsylvanica</i>	10	No	FACW																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>90</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Onoclea sensibilis</i>	70	Yes	FACW																									
2. <i>Equisetum palustre</i>	20	Yes	FACW																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>90</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No ___																												
Remarks: (Include photo numbers here or on a separate sheet.)																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-16
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-14_UPL-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Agricultural field Local relief (concave, convex, none): None Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.9186339323 Long: -74.1345805396 Datum: WGS84
 Soil Map Unit Name: Sun very stony loam, 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Agricultural field.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-14 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>90</u></td> <td style="text-align: center;">x 4 = <u>360</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>90</u></td> <td style="text-align: center;">(A) <u>360</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>90</u>	x 4 = <u>360</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>90</u>	(A) <u>360</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>90</u>	x 4 = <u>360</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>90</u>	(A) <u>360</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: 5 ft)																												
1. <i>Anthoxanthum odoratum</i>	70	Yes	FACU																									
2. <i>Dactylis glomerata</i>	20	Yes	FACU																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>90</u> = Total Cover																												
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) Active agricultural field. Recently cut.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-16
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-14_UPL-2
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Agricultural field Local relief (concave, convex, none): None Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.9187015323 Long: -74.1356270202 Datum: WGS84
 Soil Map Unit Name: Empeyville stony very fine sandy loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Agricultural .			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-14 UPL-2

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>100</u></td> <td>x 4 = <u>400</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>100</u></td> <td>(A) <u>400</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>100</u>	x 4 = <u>400</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>100</u>	(A) <u>400</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>100</u>	x 4 = <u>400</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>100</u>	(A) <u>400</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Dactylis glomerata</i>	70	Yes	FACU																									
2. <i>Anthoxanthum odoratum</i>	30	Yes	FACU																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>100</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) Active agricultural field.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-16
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-15_PEM-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9170026463 Long: -74.1333519202 Datum: WGS84
 Soil Map Unit Name: Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-15
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PEM. Ag activity near by.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input checked="" type="checkbox"/> Surface Water (A1) ___ Water-Stained Leaves (B9) ___ High Water Table (A2) ___ Aquatic Fauna (B13) <input checked="" type="checkbox"/> Saturation (A3) ___ Marl Deposits (B15) ___ Water Marks (B1) ___ Hydrogen Sulfide Odor (C1) ___ Sediment Deposits (B2) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Drift Deposits (B3) ___ Presence of Reduced Iron (C4) ___ Algal Mat or Crust (B4) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Iron Deposits (B5) ___ Thin Muck Surface (C7) ___ Inundation Visible on Aerial Imagery (B7) ___ Other (Explain in Remarks) ___ Sparsely Vegetated Concave Surface (B8)	___ Surface Soil Cracks (B6) ___ Drainage Patterns (B10) ___ Moss Trim Lines (B16) ___ Dry-Season Water Table (C2) ___ Crayfish Burrows (C8) ___ Saturation Visible on Aerial Imagery (C9) ___ Stunted or Stressed Plants (D1) <input checked="" type="checkbox"/> Geomorphic Position (D2) ___ Shallow Aquitard (D3) ___ Microtopographic Relief (D4) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>1</u> Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>0</u> (includes capillary fringe)	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-15 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total % Cover of:</td> <td style="text-align: center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>10</u></td> <td>x 1 = <u>10</u></td> </tr> <tr> <td>FACW species <u>60</u></td> <td>x 2 = <u>120</u></td> </tr> <tr> <td>FAC species <u>20</u></td> <td>x 3 = <u>60</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>90</u></td> <td>(A) <u>190</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.1</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>10</u>	x 1 = <u>10</u>	FACW species <u>60</u>	x 2 = <u>120</u>	FAC species <u>20</u>	x 3 = <u>60</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>90</u>	(A) <u>190</u> (B)	Prevalence Index = B/A = <u>2.1</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>10</u>	x 1 = <u>10</u>																			
FACW species <u>60</u>	x 2 = <u>120</u>																			
FAC species <u>20</u>	x 3 = <u>60</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>90</u>	(A) <u>190</u> (B)																			
Prevalence Index = B/A = <u>2.1</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Onoclea sensibilis</i>	60	Yes	FACW																	
2. <i>Equisetum arvense</i>	20	Yes	FAC																	
3. <i>Typha latifolia</i>	10	No	OBL																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>90</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) 																				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-16
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-15_UPL-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Agricultural fields Local relief (concave, convex, none): Convex Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9169973238 Long: -74.1332931631 Datum: WGS84
 Soil Map Unit Name: Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Agricultural .			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-15 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total % Cover of:</td> <td style="text-align: center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>80</u></td> <td>x 4 = <u>320</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>80</u></td> <td>(A) <u>320</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>80</u>	x 4 = <u>320</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>80</u>	(A) <u>320</u> (B)	Prevalence Index = B/A = <u>4</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>80</u>	x 4 = <u>320</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>80</u>	(A) <u>320</u> (B)																			
Prevalence Index = B/A = <u>4</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Dactylis glomerata</i>	60	Yes	FACU																	
2. <i>Plantago major</i>	20	Yes	FACU																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>80</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) Active agricultural field.																				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-16_PEM-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9165765942 Long: -74.1216304992 Datum: WGS84
 Soil Map Unit Name: Moira stony loam, 8 to 15 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No ____ (If no, explain in Remarks.)
 Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes No ____
 Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-JJB-16
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PEM. Near agricultural land .			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____
Water Table Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-16 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>15</u></td> <td style="text-align: center;">x 1 = <u>15</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>100</u></td> <td style="text-align: center;">x 2 = <u>200</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>115</u></td> <td style="text-align: center;">(A) <u>215</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>1.9</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>15</u>	x 1 = <u>15</u>	FACW species	<u>100</u>	x 2 = <u>200</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>115</u>	(A) <u>215</u> (B)	Prevalence Index = B/A = <u>1.9</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>15</u>	x 1 = <u>15</u>																										
FACW species	<u>100</u>	x 2 = <u>200</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>115</u>	(A) <u>215</u> (B)																										
Prevalence Index = B/A = <u>1.9</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Onoclea sensibilis</i>	60	Yes	FACW																									
2. <i>Solidago gigantea</i>	20	No	FACW																									
3. <i>Impatiens capensis</i>	20	No	FACW																									
4. <i>Acorus calamus</i>	15	No	OBL																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>115</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Remarks: (Include photo numbers here or on a separate sheet.) 																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-16_UPL-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Ag Local relief (concave, convex, none): None Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9166548392 Long: -74.1216510349 Datum: WGS84
 Soil Map Unit Name: Moira stony loam, 8 to 15 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-16 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total % Cover of:</td> <td style="text-align: center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>40</u></td> <td>x 5 = <u>200</u></td> </tr> <tr> <td>Column Totals <u>40</u></td> <td>(A) <u>200</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>5</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>40</u>	x 5 = <u>200</u>	Column Totals <u>40</u>	(A) <u>200</u> (B)	Prevalence Index = B/A = <u>5</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>40</u>	x 5 = <u>200</u>																			
Column Totals <u>40</u>	(A) <u>200</u> (B)																			
Prevalence Index = B/A = <u>5</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Zea mays</i>	40	Yes	UPL																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>40</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) Active agricultural field.																				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-17_PEM-1
 Investigator(s): Jake Brillo, Matt Boscow, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9166325015 Long: -74.1213831492 Datum: WGS84
 Soil Map Unit Name: Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-17
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyping is PEM.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input checked="" type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>2</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-17_PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>30</u></td> <td style="text-align: center;">x 1 = <u>30</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>75</u></td> <td style="text-align: center;">x 2 = <u>150</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>105</u></td> <td style="text-align: center;">(A) <u>180</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>1.7</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>30</u>	x 1 = <u>30</u>	FACW species	<u>75</u>	x 2 = <u>150</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>105</u>	(A) <u>180</u> (B)	Prevalence Index = B/A = <u>1.7</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>30</u>	x 1 = <u>30</u>																										
FACW species	<u>75</u>	x 2 = <u>150</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>105</u>	(A) <u>180</u> (B)																										
Prevalence Index = B/A = <u>1.7</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Onoclea sensibilis</i>	40	Yes	FACW																									
2. <i>Carex crinita</i>	30	Yes	OBL																									
3. <i>Carex intumescens</i>	20	No	FACW																									
4. <i>Impatiens capensis</i>	15	No	FACW																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>105</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Remarks: (Include photo numbers here or on a separate sheet.)																												

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-17_PEM-2

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>40</u></td> <td style="text-align: center;">x 1 = <u>40</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>50</u></td> <td style="text-align: center;">x 2 = <u>100</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>90</u></td> <td style="text-align: center;">(A) <u>140</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>1.6</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>40</u>	x 1 = <u>40</u>	FACW species	<u>50</u>	x 2 = <u>100</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>90</u>	(A) <u>140</u> (B)	Prevalence Index = B/A = <u>1.6</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>40</u>	x 1 = <u>40</u>																										
FACW species	<u>50</u>	x 2 = <u>100</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>90</u>	(A) <u>140</u> (B)																										
Prevalence Index = B/A = <u>1.6</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Carex crinita</i>	40	Yes	OBL																									
2. <i>Onoclea sensibilis</i>	30	Yes	FACW																									
3. <i>Phalaris arundinacea</i>	20	Yes	FACW																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>90</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Remarks: (Include photo numbers here or on a separate sheet.)																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-17_UPL-1
 Investigator(s): Jake Brillo, Matt Boscow, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Ag fields Local relief (concave, convex, none): Convex Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.91722045 Long: -74.1209412553 Datum: WGS84
 Soil Map Unit Name: Westbury and Dannemora stony very fine sandy loams, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
_____ _____ _____	
Remarks:	
_____ _____ _____	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-17 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>20</u></td> <td style="text-align: center;">x 5 = <u>100</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>20</u> (A)</td> <td style="text-align: center;"><u>100</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>5</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>20</u>	x 5 = <u>100</u>	Column Totals	<u>20</u> (A)	<u>100</u> (B)	Prevalence Index = B/A = <u>5</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>20</u>	x 5 = <u>100</u>																										
Column Totals	<u>20</u> (A)	<u>100</u> (B)																										
Prevalence Index = B/A = <u>5</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
	<u>0</u> = Total Cover																											
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
	<u>0</u> = Total Cover																											
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Zea mays</i>	20	Yes	UPL																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
	<u>20</u> = Total Cover																											
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
	<u>0</u> = Total Cover																											
Remarks: (Include photo numbers here or on a separate sheet.) Active agricultural field.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-17_UPL-2
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Flat Local relief (concave, convex, none): None Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.917548853 Long: -74.1147612781 Datum: WGS84
 Soil Map Unit Name: Sun stony loam, 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-17 UPL-2

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width:100%; border:none;"> <tr> <td style="text-align:center;">Total % Cover of:</td> <td style="text-align:center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>90</u></td> <td>x 4 = <u>360</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>90</u></td> <td>(A) <u>360</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>4</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>90</u>	x 4 = <u>360</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>90</u>	(A) <u>360</u> (B)	Prevalence Index = B/A = <u>4</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>90</u>	x 4 = <u>360</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>90</u>	(A) <u>360</u> (B)																			
Prevalence Index = B/A = <u>4</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Cerastium fontanum</i>	60	Yes	FACU																	
2. <i>Dactylis glomerata</i>	20	Yes	FACU																	
3. <i>Anthoxanthum odoratum</i>	10	No	FACU																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>90</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Hydrophytic Vegetation Indicators: ____ 1- Rapid Test for Hydrophytic Vegetation ____ 2 - Dominance Test is > 50% ____ 3 - Prevalence Index is ≤ 3.0 ¹ ____ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes ____ No <input checked="" type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) Fallow field.																				

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-18 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>20</u></td> <td style="text-align: center;">x 1 = <u>20</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>30</u></td> <td style="text-align: center;">x 2 = <u>60</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>40</u></td> <td style="text-align: center;">x 3 = <u>120</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>90</u></td> <td style="text-align: center;">(A) <u>200</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>2.2</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>20</u>	x 1 = <u>20</u>	FACW species	<u>30</u>	x 2 = <u>60</u>	FAC species	<u>40</u>	x 3 = <u>120</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>90</u>	(A) <u>200</u> (B)	Prevalence Index = B/A = <u>2.2</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>20</u>	x 1 = <u>20</u>																										
FACW species	<u>30</u>	x 2 = <u>60</u>																										
FAC species	<u>40</u>	x 3 = <u>120</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>90</u>	(A) <u>200</u> (B)																										
Prevalence Index = B/A = <u>2.2</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
	<u>0</u>	= Total Cover																										
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
	<u>0</u>	= Total Cover																										
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Euthamia graminifolia</i>	40	Yes	FAC																									
2. <i>Onoclea sensibilis</i>	20	Yes	FACW																									
3. <i>Typha latifolia</i>	20	Yes	OBL																									
4. <i>Solidago gigantea</i>	10	No	FACW																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
	<u>90</u>	= Total Cover																										
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
	<u>0</u>	= Total Cover																										
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) 																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-18_UPL-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Ag field Local relief (concave, convex, none): None Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.920147243 Long: -74.1155489255 Datum: WGS84
 Soil Map Unit Name: Sun stony loam, 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-18 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total % Cover of:</td> <td style="text-align: center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>20</u></td> <td>x 5 = <u>100</u></td> </tr> <tr> <td>Column Totals <u>20</u></td> <td>(A) <u>100</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>5</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>20</u>	x 5 = <u>100</u>	Column Totals <u>20</u>	(A) <u>100</u> (B)	Prevalence Index = B/A = <u>5</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>20</u>	x 5 = <u>100</u>																			
Column Totals <u>20</u>	(A) <u>100</u> (B)																			
Prevalence Index = B/A = <u>5</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Zea mays</i>	20	Yes	UPL																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>20</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) Active agricultural field.																				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-19_PEM-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9224095606 Long: -74.1132791062 Datum: WGS84
 Soil Map Unit Name: Sun stony loam, 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-JJB-19
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is PEM.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input checked="" type="checkbox"/> Surface Water (A1) ___ Water-Stained Leaves (B9) <input checked="" type="checkbox"/> High Water Table (A2) <input checked="" type="checkbox"/> Aquatic Fauna (B13) <input checked="" type="checkbox"/> Saturation (A3) ___ Marl Deposits (B15) ___ Water Marks (B1) ___ Hydrogen Sulfide Odor (C1) ___ Sediment Deposits (B2) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Drift Deposits (B3) ___ Presence of Reduced Iron (C4) ___ Algal Mat or Crust (B4) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Iron Deposits (B5) ___ Thin Muck Surface (C7) <input checked="" type="checkbox"/> Inundation Visible on Aerial Imagery (B7) ___ Other (Explain in Remarks) ___ Sparsely Vegetated Concave Surface (B8)	___ Surface Soil Cracks (B6) ___ Drainage Patterns (B10) ___ Moss Trim Lines (B16) ___ Dry-Season Water Table (C2) ___ Crayfish Burrows (C8) ___ Saturation Visible on Aerial Imagery (C9) ___ Stunted or Stressed Plants (D1) ___ Geomorphic Position (D2) ___ Shallow Aquitard (D3) ___ Microtopographic Relief (D4) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>24</u>	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>0</u>	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>0</u> (includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-19 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total % Cover of:</td> <td style="text-align: center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>60</u></td> <td>x 1 = <u>60</u></td> </tr> <tr> <td>FACW species <u>20</u></td> <td>x 2 = <u>40</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>80</u></td> <td>(A) <u>100</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>1.3</u></td> </tr> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Total % Cover of:	Multiply By:	OBL species <u>60</u>	x 1 = <u>60</u>	FACW species <u>20</u>	x 2 = <u>40</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>80</u>	(A) <u>100</u> (B)	Prevalence Index = B/A = <u>1.3</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>60</u>	x 1 = <u>60</u>																			
FACW species <u>20</u>	x 2 = <u>40</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>80</u>	(A) <u>100</u> (B)																			
Prevalence Index = B/A = <u>1.3</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
	<u>0</u>	= Total Cover																		
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
	<u>0</u>	= Total Cover																		
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Typha angustifolia</i>	60	Yes	OBL																	
2. <i>Onoclea sensibilis</i>	20	Yes	FACW																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
	<u>80</u>	= Total Cover																		
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
	<u>0</u>	= Total Cover																		
Remarks: (Include photo numbers here or on a separate sheet.)																				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-19_UPL-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Foot slope Local relief (concave, convex, none): None Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9222978298 Long: -74.1133422219 Datum: WGS84
 Soil Map Unit Name: Sun stony loam, 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-19 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>20</u></td> <td style="text-align: center;">x 5 = <u>100</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>20</u> (A)</td> <td style="text-align: center;"><u>100</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>5</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>20</u>	x 5 = <u>100</u>	Column Totals	<u>20</u> (A)	<u>100</u> (B)	Prevalence Index = B/A = <u>5</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>20</u>	x 5 = <u>100</u>																										
Column Totals	<u>20</u> (A)	<u>100</u> (B)																										
Prevalence Index = B/A = <u>5</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Zea mays</i>	20	Yes	UPL																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>20</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: ____ 1- Rapid Test for Hydrophytic Vegetation ____ 2 - Dominance Test is > 50% ____ 3 - Prevalence Index is ≤ 3.0 ¹ ____ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes ____ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) Active agricultural field.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-20_PSS-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9199479213 Long: -74.1053993628 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No ____ (If no, explain in Remarks.)
 Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes No ____
 Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-JJB-20
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is PSS.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____
Water Table Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-20 PSS-1

	Absolute % Cover	Dominant Species?	Indicator Status																																	
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%; text-align: center;">Total % Cover of:</th> <th style="width: 20%;"></th> <th style="width: 20%; text-align: center;">Multiply By:</th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>20</u></td> <td>x 1 =</td> <td style="text-align: center;"><u>20</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>70</u></td> <td>x 2 =</td> <td style="text-align: center;"><u>140</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>20</u></td> <td>x 3 =</td> <td style="text-align: center;"><u>60</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td>x 4 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>110</u></td> <td>(A)</td> <td style="text-align: center;"><u>220</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: center;">Prevalence Index = B/A = <u>2</u></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:	OBL species	<u>20</u>	x 1 =	<u>20</u>	FACW species	<u>70</u>	x 2 =	<u>140</u>	FAC species	<u>20</u>	x 3 =	<u>60</u>	FACU species	<u>0</u>	x 4 =	<u>0</u>	UPL species	<u>0</u>	x 5 =	<u>0</u>	Column Totals	<u>110</u>	(A)	<u>220</u> (B)	Prevalence Index = B/A = <u>2</u>			
	Total % Cover of:		Multiply By:																																	
OBL species	<u>20</u>	x 1 =	<u>20</u>																																	
FACW species	<u>70</u>	x 2 =	<u>140</u>																																	
FAC species	<u>20</u>	x 3 =	<u>60</u>																																	
FACU species	<u>0</u>	x 4 =	<u>0</u>																																	
UPL species	<u>0</u>	x 5 =	<u>0</u>																																	
Column Totals	<u>110</u>	(A)	<u>220</u> (B)																																	
Prevalence Index = B/A = <u>2</u>																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
<u>0</u> = Total Cover																																				
Sapling/Shrub Stratum (Plot size: 15 ft)																																				
1. <i>Salix bebbiana</i>	40	Yes	FACW																																	
2. <i>Acer negundo</i>	20	Yes	FAC																																	
3. <i>Fraxinus pennsylvanica</i>	10	No	FACW																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
<u>70</u> = Total Cover																																				
Herb Stratum (Plot size: 5 ft)																																				
1. <i>Typha angustifolia</i>	20	Yes	OBL																																	
2. <i>Onoclea sensibilis</i>	20	Yes	FACW																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
8. _____	_____	_____	_____																																	
9. _____	_____	_____	_____																																	
10. _____	_____	_____	_____																																	
11. _____	_____	_____	_____																																	
12. _____	_____	_____	_____																																	
<u>40</u> = Total Cover																																				
Woody Vine Stratum (Plot size: 30 ft)																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
<u>0</u> = Total Cover																																				
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																				
Remarks: (Include photo numbers here or on a separate sheet.) 																																				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-20_UPL-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Roadside Local relief (concave, convex, none): None Slope (%): 5 to 10
 Subregion (LRR or MLRA): LRR R Lat: 44.9199868134 Long: -74.105426604 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-20 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>40</u></td> <td style="text-align: center;">x 4 = <u>160</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>40</u></td> <td style="text-align: center;">(A) <u>160</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>40</u>	x 4 = <u>160</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>40</u>	(A) <u>160</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>40</u>	x 4 = <u>160</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>40</u>	(A) <u>160</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Poa pratensis</i>	20	Yes	FACU																									
2. <i>Ambrosia artemisiifolia</i>	20	Yes	FACU																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>40</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) Maintained road shoulder.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-21_PEM-1
 Investigator(s): Jake Brillo, Matt Boscow, Ethan Snyder Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.919533562 Long: -74.1051233467 Datum: WGS84
 Soil Map Unit Name: Scarboro fine sandy loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No ____ (If no, explain in Remarks.)
 Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes No ____
 Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-JJB-21
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is PEM. Pasture.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input checked="" type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____
Water Table Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>2</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-21 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>40</u></td> <td style="text-align: center;">x 1 = <u>40</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>50</u></td> <td style="text-align: center;">x 2 = <u>100</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>90</u></td> <td style="text-align: center;">(A) <u>140</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: right;">Prevalence Index = B/A = <u>1.6</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>40</u>	x 1 = <u>40</u>	FACW species	<u>50</u>	x 2 = <u>100</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>90</u>	(A) <u>140</u> (B)	Prevalence Index = B/A = <u>1.6</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>40</u>	x 1 = <u>40</u>																										
FACW species	<u>50</u>	x 2 = <u>100</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>90</u>	(A) <u>140</u> (B)																										
Prevalence Index = B/A = <u>1.6</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Poa palustris</i>	50	Yes	FACW																									
2. <i>Juncus effusus</i>	40	Yes	OBL																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>90</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) Pasture.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-21_UPL-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Foot slope Local relief (concave, convex, none): None Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.9195234199 Long: -74.1051460617 Datum: WGS84
 Soil Map Unit Name: Walpole sandy loam, 0 to 6 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypc is UPL. Pasture.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-21 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>10</u></td> <td style="text-align: center;">x 3 = <u>30</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>80</u></td> <td style="text-align: center;">x 4 = <u>320</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>90</u></td> <td style="text-align: center;">(A) <u>350</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>3.9</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>10</u>	x 3 = <u>30</u>	FACU species	<u>80</u>	x 4 = <u>320</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>90</u>	(A) <u>350</u> (B)	Prevalence Index = B/A = <u>3.9</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>10</u>	x 3 = <u>30</u>																										
FACU species	<u>80</u>	x 4 = <u>320</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>90</u>	(A) <u>350</u> (B)																										
Prevalence Index = B/A = <u>3.9</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: 5 ft)																												
1. <i>Trifolium pratense</i>	60	Yes	FACU																									
2. <i>Galium mollugo</i>	20	Yes	FACU																									
3. <i>Ranunculus acris</i>	10	No	FAC																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>90</u> = Total Cover																												
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) Pasture.																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-22_PEM-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9215304247 Long: -74.1345603392 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No ____ (If no, explain in Remarks.)
 Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes No ____
 Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-JJB-22
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PEM. Area is wetland, all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____
Water Table Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>2</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
The criterion for wetland hydrology is met.		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-22_PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>70</u></td> <td>x 2 = <u>140</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>15</u></td> <td>x 3 = <u>45</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>85</u></td> <td>(A) <u>185</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>2.2</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>70</u>	x 2 = <u>140</u>	FAC species	<u>15</u>	x 3 = <u>45</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>85</u>	(A) <u>185</u> (B)	Prevalence Index = B/A = <u>2.2</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>70</u>	x 2 = <u>140</u>																										
FAC species	<u>15</u>	x 3 = <u>45</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>85</u>	(A) <u>185</u> (B)																										
Prevalence Index = B/A = <u>2.2</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
0 = Total Cover																												
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
0 = Total Cover																												
Herb Stratum (Plot size: 5 ft)																												
1. <i>Solidago gigantea</i>	30	Yes	FACW																									
2. <i>Onoclea sensibilis</i>	30	Yes	FACW																									
3. <i>Equisetum arvense</i>	15	No	FAC																									
4. <i>Impatiens capensis</i>	10	No	FACW																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
85 = Total Cover																												
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
0 = Total Cover																												
Remarks: (Include photo numbers here or on a separate sheet.)																												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-17
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-22_UPL-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Flat Local relief (concave, convex, none): None Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9214549037 Long: -74.1345315055 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
The criterion for wetland hydrology is not met.		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-22_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>95</u></td> <td style="text-align: center;">x 4 = <u>380</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>95</u></td> <td style="text-align: center;">(A) <u>380</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>95</u>	x 4 = <u>380</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>95</u>	(A) <u>380</u> (B)	Prevalence Index = B/A = <u>4</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>95</u>	x 4 = <u>380</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>95</u>	(A) <u>380</u> (B)																										
Prevalence Index = B/A = <u>4</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Galium mollugo</i>	60	Yes	FACU																									
2. <i>Cirsium arvense</i>	20	Yes	FACU																									
3. <i>Vicia americana</i>	15	No	FACU																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>95</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) 																												

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-23 PSS-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width:100%; border:none;"> <tr> <td style="text-align:center;">Total % Cover of:</td> <td style="text-align:center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>80</u></td> <td>x 1 = <u>80</u></td> </tr> <tr> <td>FACW species <u>60</u></td> <td>x 2 = <u>120</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>140</u></td> <td>(A) <u>200</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>1.4</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>80</u>	x 1 = <u>80</u>	FACW species <u>60</u>	x 2 = <u>120</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>140</u>	(A) <u>200</u> (B)	Prevalence Index = B/A = <u>1.4</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>80</u>	x 1 = <u>80</u>																			
FACW species <u>60</u>	x 2 = <u>120</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>140</u>	(A) <u>200</u> (B)																			
Prevalence Index = B/A = <u>1.4</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. <i>Salix petiolaris</i>	40	Yes	FACW																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>40</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Symphytotrichum puniceum</i>	80	Yes	OBL																	
2. <i>Impatiens capensis</i>	20	Yes	FACW																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>100</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) 																				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-16
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-23_UPL-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Low Hill Local relief (concave, convex, none): None Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.9224041962 Long: -74.1248575319 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is UPL. Fallow field with dead veg.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-23 UPL-1

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____					
2. _____					
3. _____					
4. _____					
5. _____					
6. _____					
7. _____					
	<u>0</u>	= Total Cover			
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15 ft</u>)					
1. _____					
2. _____					
3. _____					
4. _____					
5. _____					
6. _____					
7. _____					
	<u>0</u>	= Total Cover			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)					
1. _____					
2. _____					
3. _____					
4. _____					
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
10. _____					
11. _____					
12. _____					
	<u>0</u>	= Total Cover			
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u>)					
1. _____					
2. _____					
3. _____					
4. _____					
	<u>0</u>	= Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 0 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)

Prevalence Index worksheet:

	<u>Total % Cover of:</u>		<u>Multiply By:</u>		
OBL species	<u>0</u>	x 1 =		<u>0</u>	
FACW species	<u>0</u>	x 2 =		<u>0</u>	
FAC species	<u>0</u>	x 3 =		<u>0</u>	
FACU species	<u>0</u>	x 4 =		<u>0</u>	
UPL species	<u>0</u>	x 5 =		<u>0</u>	
Column Totals	<u>0</u>	(A)		<u>0</u>	(B)
Prevalence Index = B/A = _____					

Hydrophytic Vegetation Indicators:

____ 1- Rapid Test for Hydrophytic Vegetation

____ 2 - Dominance Test is > 50%

____ 3 - Prevalence Index is ≤ 3.0¹

____ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

____ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Vegetation Strata:

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 of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No

Remarks: (Include photo numbers here or on a separate sheet.)

Fallow field. Veg dead.

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-Oct-06
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-02_PFO-1
 Investigator(s): Nick DeJohn, Camille Warner Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.9199833768 Long: -74.1005283874 Datum: WGS84
 Soil Map Unit Name: Scarboro fine sandy loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No ____ (If no, explain in Remarks.)
 Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes No ____
 Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-NSD-02
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypc is PFO.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____
Water Table Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-02_PFO-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width:100%; border:none;"> <tr> <td style="text-align:right;">Total % Cover of:</td> <td style="text-align:right;">Multiply By:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>35</u></td> <td>x 2 = <u>70</u></td> </tr> <tr> <td>FAC species <u>118</u></td> <td>x 3 = <u>354</u></td> </tr> <tr> <td>FACU species <u>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>158</u></td> <td>(A) <u>444</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>2.8</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>35</u>	x 2 = <u>70</u>	FAC species <u>118</u>	x 3 = <u>354</u>	FACU species <u>5</u>	x 4 = <u>20</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>158</u>	(A) <u>444</u> (B)	Prevalence Index = B/A = <u>2.8</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>35</u>	x 2 = <u>70</u>																			
FAC species <u>118</u>	x 3 = <u>354</u>																			
FACU species <u>5</u>	x 4 = <u>20</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>158</u>	(A) <u>444</u> (B)																			
Prevalence Index = B/A = <u>2.8</u>																				
1. <i>Acer rubrum</i>	75	Yes	FAC																	
2. <i>Populus deltoides</i>	10	No	FAC																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>85</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: 15 ft)																				
1. <i>Acer rubrum</i>	25	Yes	FAC																	
2. <i>Fraxinus americana</i>	5	No	FACU																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>30</u> = Total Cover																				
Herb Stratum (Plot size: 5 ft)																				
1. <i>Onoclea sensibilis</i>	35	Yes	FACW																	
2. <i>Equisetum arvense</i>	8	No	FAC																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>43</u> = Total Cover																				
Woody Vine Stratum (Plot size: 30 ft)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) 																				

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
South



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-Oct-06
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-02_UPL-1
 Investigator(s): Nick DeJohn, Camille Warner Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hilltop Local relief (concave, convex, none): Convex Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.9202182377 Long: -74.1019812227 Datum: WGS84
 Soil Map Unit Name: Scarboro fine sandy loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-02_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3</u> (A/B) Prevalence Index worksheet: <table style="width:100%; border:none;"> <tr> <td style="text-align:right;">Total % Cover of:</td> <td style="text-align:right;">Multiply By:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>15</u></td> <td>x 2 = <u>30</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>110</u></td> <td>x 4 = <u>440</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>125</u></td> <td>(A) <u>470</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>3.8</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>15</u>	x 2 = <u>30</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>110</u>	x 4 = <u>440</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>125</u>	(A) <u>470</u> (B)	Prevalence Index = B/A = <u>3.8</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>15</u>	x 2 = <u>30</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>110</u>	x 4 = <u>440</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>125</u>	(A) <u>470</u> (B)																			
Prevalence Index = B/A = <u>3.8</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. <i>Rubus allegheniensis</i>	65	Yes	FACU																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>65</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Solidago canadensis</i>	45	Yes	FACU																	
2. <i>Eupatorium novae-angliae</i>	15	Yes	FACW																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>60</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input checked="" type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) 																				

Soil Photos



Photo of Sample Plot East



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-Oct-06
 Applicant/Owner: Geronimo State: New York Sampling Point: W-NSD-01_PEM-1
 Investigator(s): Nick DeJohn, Camille Warner Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9222191229 Long: -74.10037525 Datum: WGS84
 Soil Map Unit Name: Scarboro fine sandy loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-NSD-01
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is PEM.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-01 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total % Cover of:</td> <td style="text-align: center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>32</u></td> <td>x 1 = <u>32</u></td> </tr> <tr> <td>FACW species <u>65</u></td> <td>x 2 = <u>130</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>97</u></td> <td>(A) <u>162</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>1.7</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>32</u>	x 1 = <u>32</u>	FACW species <u>65</u>	x 2 = <u>130</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>97</u>	(A) <u>162</u> (B)	Prevalence Index = B/A = <u>1.7</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>32</u>	x 1 = <u>32</u>																			
FACW species <u>65</u>	x 2 = <u>130</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>97</u>	(A) <u>162</u> (B)																			
Prevalence Index = B/A = <u>1.7</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: 15 ft)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Herb Stratum (Plot size: 5 ft)																				
1. <i>Symphytichum novi-belgii</i>	35	Yes	FACW																	
2. <i>Phalaris arundinacea</i>	30	Yes	FACW																	
3. <i>Juncus effusus</i>	20	Yes	OBL																	
4. <i>Persicaria sagittata</i>	12	No	OBL																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>97</u> = Total Cover																				
Woody Vine Stratum (Plot size: 30 ft)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) 																				

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
South



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-Oct-06
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-01_UPL-1
 Investigator(s): Nick DeJohn, Camille Warner Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Low Hill Local relief (concave, convex, none): Undulating Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.92293783 Long: -74.1005282198 Datum: WGS84
 Soil Map Unit Name: Scarboro fine sandy loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-01 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>20</u></td> <td style="text-align: center;">x 2 = <u>40</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>40</u></td> <td style="text-align: center;">x 3 = <u>120</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>40</u></td> <td style="text-align: center;">x 4 = <u>160</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>100</u></td> <td style="text-align: center;">(A) <u>320</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>3.2</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>20</u>	x 2 = <u>40</u>	FAC species	<u>40</u>	x 3 = <u>120</u>	FACU species	<u>40</u>	x 4 = <u>160</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>100</u>	(A) <u>320</u> (B)	Prevalence Index = B/A = <u>3.2</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>20</u>	x 2 = <u>40</u>																										
FAC species	<u>40</u>	x 3 = <u>120</u>																										
FACU species	<u>40</u>	x 4 = <u>160</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>100</u>	(A) <u>320</u> (B)																										
Prevalence Index = B/A = <u>3.2</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Symphytotrichum lateriflorum</i>	25	Yes	FAC																									
2. <i>Phalaris arundinacea</i>	20	Yes	FACW																									
3. <i>Vicia americana</i>	18	Yes	FACU																									
4. <i>Ranunculus acris</i>	15	No	FAC																									
5. <i>Cirsium arvense</i>	12	No	FACU																									
6. <i>Galium mollugo</i>	10	No	FACU																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>100</u> = Total Cover																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No ___																												
Remarks: (Include photo numbers here or on a separate sheet.)																												

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
South



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-Oct-06
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-02_PEM-2
 Investigator(s): Nick DeJohn, Camille Warner Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): None Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9202702474 Long: -74.1025959515 Datum: WGS84
 Soil Map Unit Name: Scarboro fine sandy loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No ____ (If no, explain in Remarks.)
 Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes No ____
 Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-NSD-02
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is PEM.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____
Water Table Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes ____ No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
The criterion for wetland hydrology is met.		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-02_PEM-2

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>100</u></td> <td>x 2 = <u>200</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>100</u></td> <td>(A) <u>200</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>2</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>100</u>	x 2 = <u>200</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>100</u>	(A) <u>200</u> (B)	Prevalence Index = B/A = <u>2</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>100</u>	x 2 = <u>200</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>100</u>	(A) <u>200</u> (B)																										
Prevalence Index = B/A = <u>2</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Herb Stratum (Plot size: 5 ft)																												
1. <i>Impatiens capensis</i>	55	Yes	FACW																									
2. <i>Symphotrichum novi-belgii</i>	35	Yes	FACW																									
3. <i>Onoclea sensibilis</i>	10	No	FACW																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
<u>100</u> = Total Cover																												
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
<u>0</u> = Total Cover																												
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) 																												

Soil Photos



Photo of Sample Plot South



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-Oct-06
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-02_PFO-1
 Investigator(s): Nick DeJohn, Camille Warner Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.9199833768 Long: -74.1005283874 Datum: WGS84
 Soil Map Unit Name: Scarboro fine sandy loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-NSD-02
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypc is PFO.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-02_PFO-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Total % Cover of:</th> <th style="width: 50%; text-align: center;">Multiply By:</th> </tr> </thead> <tbody> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>35</u></td> <td>x 2 = <u>70</u></td> </tr> <tr> <td>FAC species <u>118</u></td> <td>x 3 = <u>354</u></td> </tr> <tr> <td>FACU species <u>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>158</u></td> <td>(A) <u>444</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.8</u></td> </tr> </tbody> </table>	Total % Cover of:	Multiply By:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>35</u>	x 2 = <u>70</u>	FAC species <u>118</u>	x 3 = <u>354</u>	FACU species <u>5</u>	x 4 = <u>20</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>158</u>	(A) <u>444</u> (B)	Prevalence Index = B/A = <u>2.8</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>35</u>	x 2 = <u>70</u>																			
FAC species <u>118</u>	x 3 = <u>354</u>																			
FACU species <u>5</u>	x 4 = <u>20</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>158</u>	(A) <u>444</u> (B)																			
Prevalence Index = B/A = <u>2.8</u>																				
1. <i>Acer rubrum</i>	75	Yes	FAC																	
2. <i>Populus deltoides</i>	10	No	FAC																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>85</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. <i>Acer rubrum</i>	25	Yes	FAC																	
2. <i>Fraxinus americana</i>	5	No	FACU																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>30</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Onoclea sensibilis</i>	35	Yes	FACW																	
2. <i>Equisetum arvense</i>	8	No	FAC																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>43</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) 																				

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
South



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-Oct-06
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-02_UPL-1
 Investigator(s): Nick DeJohn, Camille Warner Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hilltop Local relief (concave, convex, none): Convex Slope (%): 2 to 5
 Subregion (LRR or MLRA): LRR R Lat: 44.9202182377 Long: -74.1019812227 Datum: WGS84
 Soil Map Unit Name: Scarboro fine sandy loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertyp is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-02_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																																	
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%; text-align: center;">Total % Cover of:</th> <th style="width: 20%;"></th> <th style="width: 30%; text-align: center;">Multiply By:</th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 1 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>15</u></td> <td>x 2 =</td> <td style="text-align: center;"><u>30</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>110</u></td> <td>x 4 =</td> <td style="text-align: center;"><u>440</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>125</u></td> <td>(A)</td> <td style="text-align: center;"><u>470</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: center;">Prevalence Index = B/A = <u>3.8</u></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:	OBL species	<u>0</u>	x 1 =	<u>0</u>	FACW species	<u>15</u>	x 2 =	<u>30</u>	FAC species	<u>0</u>	x 3 =	<u>0</u>	FACU species	<u>110</u>	x 4 =	<u>440</u>	UPL species	<u>0</u>	x 5 =	<u>0</u>	Column Totals	<u>125</u>	(A)	<u>470</u> (B)	Prevalence Index = B/A = <u>3.8</u>			
	Total % Cover of:		Multiply By:																																	
OBL species	<u>0</u>	x 1 =	<u>0</u>																																	
FACW species	<u>15</u>	x 2 =	<u>30</u>																																	
FAC species	<u>0</u>	x 3 =	<u>0</u>																																	
FACU species	<u>110</u>	x 4 =	<u>440</u>																																	
UPL species	<u>0</u>	x 5 =	<u>0</u>																																	
Column Totals	<u>125</u>	(A)	<u>470</u> (B)																																	
Prevalence Index = B/A = <u>3.8</u>																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
0 = Total Cover																																				
Sapling/Shrub Stratum (Plot size: 15 ft)																																				
1. <i>Rubus allegheniensis</i>	65	Yes	FACU																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
65 = Total Cover																																				
Herb Stratum (Plot size: 5 ft)																																				
1. <i>Solidago canadensis</i>	45	Yes	FACU																																	
2. <i>Eupatorium novae-angliae</i>	15	Yes	FACW																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
8. _____	_____	_____	_____																																	
9. _____	_____	_____	_____																																	
10. _____	_____	_____	_____																																	
11. _____	_____	_____	_____																																	
12. _____	_____	_____	_____																																	
60 = Total Cover																																				
Woody Vine Stratum (Plot size: 30 ft)																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
0 = Total Cover																																				
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input checked="" type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																																				
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																				
Remarks: (Include photo numbers here or on a separate sheet.) 																																				

Soil Photos



Photo of Sample Plot East



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-Dec-14
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-03_PEM-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9235917442 Long: -74.1278125719 Datum: WGS84
 Soil Map Unit Name: Runeberg soils, 0 to 5 percent slopes NWI classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
If yes, optional Wetland Site ID:		W-NSD-03	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PEM.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input checked="" type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input checked="" type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>4</u>
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>0</u>
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-03_PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																																	
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)																																
1.																																				
2.																																				
3.																																				
4.																																				
5.																																				
6.																																				
7.																																				
	0	= Total Cover																																		
Sapling/Shrub Stratum (Plot size: 15 ft)					Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%; text-align: center;">Total % Cover of:</th> <th style="width: 20%;"></th> <th style="width: 30%; text-align: center;">Multiply By:</th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;">30</td> <td></td> <td style="text-align: center;">x 1 = 30</td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;">65</td> <td></td> <td style="text-align: center;">x 2 = 130</td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;">0</td> <td></td> <td style="text-align: center;">x 3 = 0</td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;">0</td> <td></td> <td style="text-align: center;">x 4 = 0</td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;">0</td> <td></td> <td style="text-align: center;">x 5 = 0</td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;">95</td> <td style="text-align: center;">(A)</td> <td style="text-align: center;">160 (B)</td> </tr> <tr> <td colspan="4" style="text-align: center;">Prevalence Index = B/A = <u>1.7</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic		Total % Cover of:		Multiply By:	OBL species	30		x 1 = 30	FACW species	65		x 2 = 130	FAC species	0		x 3 = 0	FACU species	0		x 4 = 0	UPL species	0		x 5 = 0	Column Totals	95	(A)	160 (B)	Prevalence Index = B/A = <u>1.7</u>		
	Total % Cover of:		Multiply By:																																	
OBL species	30		x 1 = 30																																	
FACW species	65		x 2 = 130																																	
FAC species	0		x 3 = 0																																	
FACU species	0		x 4 = 0																																	
UPL species	0		x 5 = 0																																	
Column Totals	95	(A)	160 (B)																																	
Prevalence Index = B/A = <u>1.7</u>																																				
1.																																				
2.																																				
3.																																				
4.																																				
5.																																				
6.																																				
7.																																				
	0	= Total Cover																																		
Herb Stratum (Plot size: 5 ft)				Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																
1.	<i>Phalaris arundinacea</i>	65	Yes		FACW																															
2.	<i>Typha angustifolia</i>	30	Yes		OBL																															
3.																																				
4.																																				
5.																																				
6.																																				
7.																																				
8.																																				
9.																																				
		95	= Total Cover																																	
Woody Vine Stratum (Plot size: 30 ft)																																				
1.																																				
2.																																				
3.																																				
4.																																				
		0	= Total Cover																																	
Remarks: (Include photo numbers here or on a separate sheet.)																																				

Soil Photos



Photo of Sample Plot East



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-Dec-14
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-03_UPL-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Low Hill Local relief (concave, convex, none): Undulating Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9234991242 Long: -74.127768064 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-03_UPL-1

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
	0	= Total Cover			
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15 ft</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
	0	= Total Cover			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)					
1. <u>Poaceae</u>	60	Yes	NI		
2. <u>Solidago canadensis</u>	253	Percent cover cannot be greater than a previous species	FACU		
3. <u>Euthamia graminifolia</u>	5	No	FAC		
4. <u>Phalaris arundinacea</u>	5	No	FACW		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	323	= Total Cover			
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
	0	= Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>5</u>	x 2 = <u>10</u>
FAC species <u>5</u>	x 3 = <u>15</u>
FACU species <u>253</u>	x 4 = <u>1012</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals <u>263</u>	(A) <u>1037</u> (B)
Prevalence Index = B/A = <u>3.9</u>	

Hydrophytic Vegetation Indicators:

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is > 50%

3 - Prevalence Index is ≤ 3.0¹

4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Vegetation Strata:

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 of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes No

Remarks: (Include photo numbers here or on a separate sheet.)

Soil Photos



Photo of Sample Plot East



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-Dec-14
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-04_PEM-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9250914343 Long: -74.129611496 Datum: WGS84
 Soil Map Unit Name: Moira stony loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: (Explain alternative procedures here or in a separate report)		If yes, optional Wetland Site ID: <u>W-NSD-04</u>	
Covertypes is PEM.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input checked="" type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)	
Field Observations:		
Surface Water Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____	
Saturation Present? (includes capillary fringe)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-04_PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u> (A/B)																																								
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
<u>0</u> = Total Cover																																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)					Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 15%;">Total % Cover of:</th> <th style="width: 15%;">Multiply By:</th> <th style="width: 15%;"></th> <th style="width: 15%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>30</u></td> <td style="text-align: center;">x 1 =</td> <td style="text-align: center;"><u>30</u></td> <td></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 =</td> <td style="text-align: center;"><u>0</u></td> <td></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 =</td> <td style="text-align: center;"><u>0</u></td> <td></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 =</td> <td style="text-align: center;"><u>0</u></td> <td></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 =</td> <td style="text-align: center;"><u>0</u></td> <td></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>30</u></td> <td style="text-align: center;">(A)</td> <td style="text-align: center;"><u>30</u></td> <td style="text-align: center;">(B)</td> </tr> <tr> <td colspan="5" style="text-align: center;">Prevalence Index = B/A = <u>1</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: ___ 1 - Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic		Total % Cover of:	Multiply By:			OBL species	<u>30</u>	x 1 =	<u>30</u>		FACW species	<u>0</u>	x 2 =	<u>0</u>		FAC species	<u>0</u>	x 3 =	<u>0</u>		FACU species	<u>0</u>	x 4 =	<u>0</u>		UPL species	<u>0</u>	x 5 =	<u>0</u>		Column Totals	<u>30</u>	(A)	<u>30</u>	(B)	Prevalence Index = B/A = <u>1</u>			
	Total % Cover of:	Multiply By:																																										
OBL species	<u>30</u>	x 1 =	<u>30</u>																																									
FACW species	<u>0</u>	x 2 =	<u>0</u>																																									
FAC species	<u>0</u>	x 3 =	<u>0</u>																																									
FACU species	<u>0</u>	x 4 =	<u>0</u>																																									
UPL species	<u>0</u>	x 5 =	<u>0</u>																																									
Column Totals	<u>30</u>	(A)	<u>30</u>	(B)																																								
Prevalence Index = B/A = <u>1</u>																																												
<u>0</u> = Total Cover																																												
Herb Stratum (Plot size: <u>5 ft</u>)				Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No ___																																								
1. <i>Poaceae</i>	60	Yes	NI																																									
2. <i>Persicaria punctata</i>	30	Yes	OBL																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
<u>90</u> = Total Cover																																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
<u>0</u> = Total Cover																																												
Remarks: (Include photo numbers here or on a separate sheet.) 																																												

Vegetation Photos



Soil Photos



Photo of Sample Plot
East



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-Dec-14
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-04_UPL-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Low Hill Local relief (concave, convex, none): Undulating Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9250667496 Long: -74.1295156908 Datum: WGS84
 Soil Map Unit Name: Moira stony loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Circumstances are not normal due to mowing of vegetation.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-04_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)																																								
1.																																												
2.																																												
3.																																												
4.																																												
5.																																												
6.																																												
7.																																												
<u>0</u> = Total Cover																																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)					Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 15%;">Total % Cover of:</th> <th style="width: 15%;">Multiply By:</th> <th style="width: 15%;"></th> <th style="width: 15%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 =</td> <td style="text-align: center;"><u>0</u></td> <td></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 =</td> <td style="text-align: center;"><u>0</u></td> <td></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 =</td> <td style="text-align: center;"><u>0</u></td> <td></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>20</u></td> <td style="text-align: center;">x 4 =</td> <td style="text-align: center;"><u>80</u></td> <td></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 =</td> <td style="text-align: center;"><u>0</u></td> <td></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>20</u></td> <td style="text-align: center;">(A)</td> <td style="text-align: center;"><u>80</u></td> <td style="text-align: center;">(B)</td> </tr> <tr> <td colspan="5" style="text-align: center;">Prevalence Index = B/A = <u>4</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic		Total % Cover of:	Multiply By:			OBL species	<u>0</u>	x 1 =	<u>0</u>		FACW species	<u>0</u>	x 2 =	<u>0</u>		FAC species	<u>0</u>	x 3 =	<u>0</u>		FACU species	<u>20</u>	x 4 =	<u>80</u>		UPL species	<u>0</u>	x 5 =	<u>0</u>		Column Totals	<u>20</u>	(A)	<u>80</u>	(B)	Prevalence Index = B/A = <u>4</u>			
	Total % Cover of:	Multiply By:																																										
OBL species	<u>0</u>	x 1 =	<u>0</u>																																									
FACW species	<u>0</u>	x 2 =	<u>0</u>																																									
FAC species	<u>0</u>	x 3 =	<u>0</u>																																									
FACU species	<u>20</u>	x 4 =	<u>80</u>																																									
UPL species	<u>0</u>	x 5 =	<u>0</u>																																									
Column Totals	<u>20</u>	(A)	<u>80</u>	(B)																																								
Prevalence Index = B/A = <u>4</u>																																												
1.																																												
2.																																												
3.																																												
4.																																												
5.																																												
6.																																												
7.																																												
<u>0</u> = Total Cover																																												
Herb Stratum (Plot size: <u>5 ft</u>)				Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																																								
1.	<i>Poaceae</i>	80	Yes		NI																																							
2.	<i>Plantago lanceolata</i>	20	Yes		FACU																																							
3.																																												
4.																																												
5.																																												
6.																																												
7.																																												
8.																																												
9.																																												
10.																																												
11.																																												
12.																																												
<u>100</u> = Total Cover																																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																								
1.																																												
2.																																												
3.																																												
4.																																												
<u>0</u> = Total Cover																																												
Remarks: (Include photo numbers here or on a separate sheet.)																																												

Soil Photos



Photo of Sample Plot East



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-Dec-14
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-05_PEM-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9357615551 Long: -74.1318740231 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-NSD-05
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PEM. Circumstances are not normal due to mowing of vegetation.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input checked="" type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input checked="" type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-05_PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)																																								
1.																																												
2.																																												
3.																																												
4.																																												
5.																																												
6.																																												
7.																																												
0 = Total Cover																																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																																												
1.																																												
2.																																												
3.																																												
4.																																												
5.																																												
6.																																												
7.																																												
0 = Total Cover																																												
Herb Stratum (Plot size: <u>5 ft</u>)				Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%;">Total % Cover of:</th> <th style="width: 20%;"></th> <th style="width: 20%;">Multiply By:</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;">0</td> <td></td> <td>x 1 =</td> <td style="text-align: center;">0</td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;">90</td> <td></td> <td>x 2 =</td> <td style="text-align: center;">180</td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;">0</td> <td></td> <td>x 3 =</td> <td style="text-align: center;">0</td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;">10</td> <td></td> <td>x 4 =</td> <td style="text-align: center;">40</td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;">0</td> <td></td> <td>x 5 =</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;">100</td> <td style="text-align: center;">(A)</td> <td></td> <td style="text-align: center;">220 (B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A =</td> <td style="text-align: center;"><u>2.2</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic		Total % Cover of:		Multiply By:		OBL species	0		x 1 =	0	FACW species	90		x 2 =	180	FAC species	0		x 3 =	0	FACU species	10		x 4 =	40	UPL species	0		x 5 =	0	Column Totals	100	(A)		220 (B)	Prevalence Index = B/A =				<u>2.2</u>
	Total % Cover of:		Multiply By:																																									
OBL species	0		x 1 =		0																																							
FACW species	90		x 2 =		180																																							
FAC species	0		x 3 =		0																																							
FACU species	10		x 4 =		40																																							
UPL species	0		x 5 =		0																																							
Column Totals	100	(A)			220 (B)																																							
Prevalence Index = B/A =					<u>2.2</u>																																							
1.	<i>Phalaris arundinacea</i>	90	Yes		FACW																																							
2.	<i>Phleum pratense</i>	10	No	FACU																																								
3.																																												
4.																																												
5.																																												
6.																																												
7.																																												
8.																																												
9.																																												
10.																																												
11.																																												
12.																																												
100 = Total Cover																																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																																												
1.																																												
2.																																												
3.																																												
4.																																												
0 = Total Cover																																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																																												
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																												
Remarks: (Include photo numbers here or on a separate sheet.) 																																												

Soil Photos



Photo of Sample Plot South



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin Sampling Date: 2020-Dec-14
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-05_UPL-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Low Hill Local relief (concave, convex, none): Undulating Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9357786123 Long: -74.1318723467 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 3 to 8 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Circumstances are not normal due to mowing of vegetation.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-05_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) <hr/> Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%; text-align: center;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: center;">Multiply By:</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;">0</td> <td></td> <td style="text-align: center;">x 1 =</td> <td style="text-align: center;">0</td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;">0</td> <td></td> <td style="text-align: center;">x 2 =</td> <td style="text-align: center;">0</td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;">0</td> <td></td> <td style="text-align: center;">x 3 =</td> <td style="text-align: center;">0</td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;">90</td> <td></td> <td style="text-align: center;">x 4 =</td> <td style="text-align: center;">360</td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;">0</td> <td></td> <td style="text-align: center;">x 5 =</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;">90</td> <td></td> <td style="text-align: center;">(A)</td> <td style="text-align: center;">360 (B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A =</td> <td style="text-align: center;"><u>4</u></td> </tr> </tbody> </table> <hr/> Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic <hr/> Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. <hr/> Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Total % Cover of:		Multiply By:		OBL species	0		x 1 =	0	FACW species	0		x 2 =	0	FAC species	0		x 3 =	0	FACU species	90		x 4 =	360	UPL species	0		x 5 =	0	Column Totals	90		(A)	360 (B)	Prevalence Index = B/A =				<u>4</u>
	Total % Cover of:		Multiply By:																																									
OBL species	0		x 1 =		0																																							
FACW species	0		x 2 =		0																																							
FAC species	0		x 3 =		0																																							
FACU species	90		x 4 =		360																																							
UPL species	0		x 5 =		0																																							
Column Totals	90		(A)		360 (B)																																							
Prevalence Index = B/A =					<u>4</u>																																							
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
	0	= Total Cover																																										
Sapling/Shrub Stratum (Plot size: 15 ft)																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
	0	= Total Cover																																										
Herb Stratum (Plot size: 5 ft)																																												
1. <i>Plantago lanceolata</i>	70	Yes	FACU																																									
2. <i>Phleum pratense</i>	15	No	FACU																																									
3. <i>Potentilla simplex</i>	5	No	FACU																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
	90	= Total Cover																																										
Woody Vine Stratum (Plot size: 30 ft)																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
	0	= Total Cover																																										
Remarks: (Include photo numbers here or on a separate sheet.) 																																												

Soil Photos



Photo of Sample Plot South



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-Dec-14
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-06_PSS-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.915545201 Long: -74.134782292 Datum: WGS84
 Soil Map Unit Name: Empeyville very fine sandy loam, 8 to 15 percent slopes, stony NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-NSD-06
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PSS.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input checked="" type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-06_PSS-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)																																								
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
<u>0</u> = Total Cover																																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)					Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%;">Total % Cover of:</th> <th style="width: 20%;"></th> <th style="width: 20%;">Multiply By:</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 1 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>110</u></td> <td></td> <td style="text-align: center;">x 2 =</td> <td style="text-align: center;"><u>220</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 3 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 4 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>110</u></td> <td style="text-align: center;">(A)</td> <td></td> <td style="text-align: center;"><u>220</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A =</td> <td style="text-align: center;"><u>2</u></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:		OBL species	<u>0</u>		x 1 =	<u>0</u>	FACW species	<u>110</u>		x 2 =	<u>220</u>	FAC species	<u>0</u>		x 3 =	<u>0</u>	FACU species	<u>0</u>		x 4 =	<u>0</u>	UPL species	<u>0</u>		x 5 =	<u>0</u>	Column Totals	<u>110</u>	(A)		<u>220</u> (B)	Prevalence Index = B/A =			
	Total % Cover of:		Multiply By:																																									
OBL species	<u>0</u>		x 1 =	<u>0</u>																																								
FACW species	<u>110</u>		x 2 =	<u>220</u>																																								
FAC species	<u>0</u>		x 3 =	<u>0</u>																																								
FACU species	<u>0</u>		x 4 =	<u>0</u>																																								
UPL species	<u>0</u>		x 5 =	<u>0</u>																																								
Column Totals	<u>110</u>	(A)		<u>220</u> (B)																																								
Prevalence Index = B/A =				<u>2</u>																																								
1. <u>Salix alba</u>	<u>35</u>	Yes	FACW																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
<u>35</u> = Total Cover																																												
Herb Stratum (Plot size: <u>5 ft</u>)				Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)																																								
1. <u>Phalaris arundinacea</u>	<u>50</u>	Yes	FACW																																									
2. <u>Symphotrichum novi-belgii</u>	<u>15</u>	Yes	FACW																																									
3. <u>Onoclea sensibilis</u>	<u>10</u>	No	FACW																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
<u>75</u> = Total Cover																																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																																								
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
<u>0</u> = Total Cover																																												
Remarks: (Include photo numbers here or on a separate sheet.)				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																								

Soil Photos



Photo of Sample Plot North



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-Dec-14
 Applicant/Owner: Geronimo State: NY Sampling Point: W-NSD-06_UPL-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hilltop Local relief (concave, convex, none): Undulating Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9155428121 Long: -74.1347065196 Datum: WGS84
 Soil Map Unit Name: Empeyville very fine sandy loam, 8 to 15 percent slopes, stony NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-06_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)																																								
1.																																												
2.																																												
3.																																												
4.																																												
5.																																												
6.																																												
7.																																												
	<u>0</u>	= Total Cover																																										
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)					Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%; text-align: center;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: center;">Multiply By:</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 1 =</td> <td></td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>10</u></td> <td>x 2 =</td> <td></td> <td style="text-align: center;"><u>20</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 =</td> <td></td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>20</u></td> <td>x 4 =</td> <td></td> <td style="text-align: center;"><u>80</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>25</u></td> <td>x 5 =</td> <td></td> <td style="text-align: center;"><u>125</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>55</u></td> <td>(A)</td> <td></td> <td style="text-align: center;"><u>225</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A =</td> <td style="text-align: center;"><u>4.1</u></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:		OBL species	<u>0</u>	x 1 =		<u>0</u>	FACW species	<u>10</u>	x 2 =		<u>20</u>	FAC species	<u>0</u>	x 3 =		<u>0</u>	FACU species	<u>20</u>	x 4 =		<u>80</u>	UPL species	<u>25</u>	x 5 =		<u>125</u>	Column Totals	<u>55</u>	(A)		<u>225</u> (B)	Prevalence Index = B/A =			
	Total % Cover of:		Multiply By:																																									
OBL species	<u>0</u>	x 1 =		<u>0</u>																																								
FACW species	<u>10</u>	x 2 =		<u>20</u>																																								
FAC species	<u>0</u>	x 3 =		<u>0</u>																																								
FACU species	<u>20</u>	x 4 =		<u>80</u>																																								
UPL species	<u>25</u>	x 5 =		<u>125</u>																																								
Column Totals	<u>55</u>	(A)		<u>225</u> (B)																																								
Prevalence Index = B/A =				<u>4.1</u>																																								
1.																																												
2.																																												
3.																																												
4.																																												
5.																																												
6.																																												
7.																																												
	<u>0</u>	= Total Cover																																										
Herb Stratum (Plot size: <u>5 ft</u>)				Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																																								
1.	<u>Poaceae</u>	35	Yes		NI																																							
2.	<u>Daucus carota</u>	25	Yes		UPL																																							
3.	<u>Galium mollugo</u>	15	No		FACU																																							
4.	<u>Phalaris arundinacea</u>	10	No		FACW																																							
5.	<u>Potentilla simplex</u>	5	No		FACU																																							
6.																																												
7.																																												
8.																																												
9.																																												
		<u>90</u>	= Total Cover																																									
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																																								
1.																																												
2.																																												
3.																																												
4.																																												
		<u>0</u>	= Total Cover																																									
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																												

Remarks: (Include photo numbers here or on a separate sheet.)

Soil Photos



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-01_PFO-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Flood Plain Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.937253 Long: -74.131051 Datum: WGS84
 Soil Map Unit Name: Worth and Parishville soils, 25 to 60 percent slopes NWI classification: PFO
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-WCR-01
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is PFO.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input checked="" type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>6</u>	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Mapped NWI		
Remarks:		
The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (at least one primary indicator).		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-01_PFO-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75</u> (A/B) Prevalence Index worksheet: <table style="width:100%; border:none;"> <tr> <td style="text-align:right;">Total % Cover of:</td> <td style="text-align:right;">Multiply By:</td> </tr> <tr> <td>OBL species <u>5</u></td> <td>x 1 = <u>5</u></td> </tr> <tr> <td>FACW species <u>125</u></td> <td>x 2 = <u>250</u></td> </tr> <tr> <td>FAC species <u>10</u></td> <td>x 3 = <u>30</u></td> </tr> <tr> <td>FACU species <u>25</u></td> <td>x 4 = <u>100</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>165</u></td> <td>(A) <u>385</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>2.3</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>5</u>	x 1 = <u>5</u>	FACW species <u>125</u>	x 2 = <u>250</u>	FAC species <u>10</u>	x 3 = <u>30</u>	FACU species <u>25</u>	x 4 = <u>100</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>165</u>	(A) <u>385</u> (B)	Prevalence Index = B/A = <u>2.3</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>5</u>	x 1 = <u>5</u>																			
FACW species <u>125</u>	x 2 = <u>250</u>																			
FAC species <u>10</u>	x 3 = <u>30</u>																			
FACU species <u>25</u>	x 4 = <u>100</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>165</u>	(A) <u>385</u> (B)																			
Prevalence Index = B/A = <u>2.3</u>																				
1. <i>Fraxinus pennsylvanica</i>	65	Yes	FACW																	
2. <i>Populus tremuloides</i>	20	Yes	FACU																	
3. <i>Prunus serotina</i>	5	No	FACU																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>90</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. <i>Viburnum lentago</i>	10	Yes	FAC																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>10</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Onoclea sensibilis</i>	60	Yes	FACW																	
2. <i>Equisetum fluviatile</i>	5	No	OBL																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>65</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Remarks: (Include photo numbers here or on a separate sheet.) A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC). A positive indication of hydrophytic vegetation was observed (Prevalence Index is ≤ 3.00).																				

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot
East



Photo of Sample Plot
South



Photo of Sample Plot
West



VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-01 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>20</u> (A/B) Prevalence Index worksheet: <table style="width:100%; border:none;"> <tr> <td style="text-align:right;">Total % Cover of:</td> <td style="text-align:right;">Multiply By:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>65</u></td> <td>x 3 = <u>195</u></td> </tr> <tr> <td>FACU species <u>50</u></td> <td>x 4 = <u>200</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>115</u></td> <td>(A) <u>395</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:right;">Prevalence Index = B/A = <u>3.4</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>65</u>	x 3 = <u>195</u>	FACU species <u>50</u>	x 4 = <u>200</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>115</u>	(A) <u>395</u> (B)	Prevalence Index = B/A = <u>3.4</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>65</u>	x 3 = <u>195</u>																			
FACU species <u>50</u>	x 4 = <u>200</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>115</u>	(A) <u>395</u> (B)																			
Prevalence Index = B/A = <u>3.4</u>																				
1. <i>Acer rubrum</i>	60	Yes	FAC																	
2. <i>Fraxinus americana</i>	20	Yes	FACU																	
3. <i>Fagus grandifolia</i>	10	No	FACU																	
4. <i>Prunus serotina</i>	5	No	FACU																	
5. <i>Betula populifolia</i>	5	No	FAC																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>100</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. <i>Fraxinus americana</i>	10	Yes	FACU																	
2. <i>Fagus grandifolia</i>	5	Yes	FACU																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>15</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Diphysastrum digitatum</i>	40	Yes	NI																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>40</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) No positive indication of hydrophytic vegetation was observed (≥50% of dominant species indexed as FAC- or drier).																				

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot
South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin County Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-02_PFO-2
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.937167 Long: -74.1367 Datum: WGS84
 Soil Map Unit Name: Scarboro fine sandy loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No ____ (If no, explain in Remarks.)
 Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes No ____
 Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-WCR-02
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PFO. Area is wetland, all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____
Water Table Present? Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>9</u>	
Saturation Present? Yes <input checked="" type="checkbox"/> No ____ (includes capillary fringe)	Depth (inches): <u>0</u>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-02_PFO-2

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total % Cover of:</td> <td style="text-align: center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>5</u></td> <td>x 1 = <u>5</u></td> </tr> <tr> <td>FACW species <u>70</u></td> <td>x 2 = <u>140</u></td> </tr> <tr> <td>FAC species <u>85</u></td> <td>x 3 = <u>255</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>160</u></td> <td>(A) <u>400</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.5</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>5</u>	x 1 = <u>5</u>	FACW species <u>70</u>	x 2 = <u>140</u>	FAC species <u>85</u>	x 3 = <u>255</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>160</u>	(A) <u>400</u> (B)	Prevalence Index = B/A = <u>2.5</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>5</u>	x 1 = <u>5</u>																			
FACW species <u>70</u>	x 2 = <u>140</u>																			
FAC species <u>85</u>	x 3 = <u>255</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>160</u>	(A) <u>400</u> (B)																			
Prevalence Index = B/A = <u>2.5</u>																				
1. <i>Acer rubrum</i>	70	Yes	FAC																	
2. <i>Betula alleghaniensis</i>	10	No	FAC																	
3. <i>Fraxinus pennsylvanica</i>	5	No	FACW																	
4. _____																				
5. _____																				
6. _____																				
7. _____																				
	85 = Total Cover																			
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. <i>Betula alleghaniensis</i>	5	Yes	FAC																	
2. _____																				
3. _____																				
4. _____																				
5. _____																				
6. _____																				
7. _____																				
	5 = Total Cover																			
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Impatiens capensis</i>	50	Yes	FACW																	
2. <i>Osmundastrum cinnamomeum</i>	15	Yes	FACW																	
3. <i>Carex stipata</i>	5	No	OBL																	
4. _____																				
5. _____																				
6. _____																				
7. _____																				
8. _____																				
9. _____																				
10. _____																				
11. _____																				
12. _____																				
	70 = Total Cover																			
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____																				
2. _____																				
3. _____																				
4. _____																				
	0 = Total Cover																			
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) 																				

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin County Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-02_UPL-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.937349 Long: -74.136627 Datum: WGS84
 Soil Map Unit Name: Colton and Constable gravelly and cobbly loamy sands, 8 to 15 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Area is upland, not all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
No positive indication of wetland hydrology was observed.		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-02_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>20</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>80</u></td> <td style="text-align: center;">x 3 = <u>240</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>74</u></td> <td style="text-align: center;">x 4 = <u>296</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>154</u></td> <td style="text-align: center;">(A) <u>536</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>3.5</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>80</u>	x 3 = <u>240</u>	FACU species	<u>74</u>	x 4 = <u>296</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>154</u>	(A) <u>536</u> (B)	Prevalence Index = B/A = <u>3.5</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>80</u>	x 3 = <u>240</u>																										
FACU species	<u>74</u>	x 4 = <u>296</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>154</u>	(A) <u>536</u> (B)																										
Prevalence Index = B/A = <u>3.5</u>																												
1. <i>Acer rubrum</i>	80	Yes	FAC																									
2. <i>Fagus grandifolia</i>	5	No	FACU																									
3. <i>Acer saccharum</i>	4	No	FACU																									
4. _____																												
5. _____																												
6. _____																												
7. _____																												
	<u>89</u>	= Total Cover																										
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. <i>Amelanchier arborea</i>	10	Yes	FACU																									
2. <i>Hamamelis virginiana</i>	5	Yes	FACU																									
3. _____																												
4. _____																												
5. _____																												
6. _____																												
7. _____																												
	<u>15</u>	= Total Cover																										
Herb Stratum (Plot size: 5 ft)																												
1. <i>Maianthemum canadense</i>	40	Yes	FACU																									
2. <i>Pteridium aquilinum</i>	10	Yes	FACU																									
3. _____																												
4. _____																												
5. _____																												
6. _____																												
7. _____																												
8. _____																												
9. _____																												
10. _____																												
11. _____																												
12. _____																												
	<u>50</u>	= Total Cover																										
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____																												
2. _____																												
3. _____																												
4. _____																												
	<u>0</u>	= Total Cover																										
Hydrophytic Vegetation Indicators: ___ 1- Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is > 50% ___ 3 - Prevalence Index is ≤ 3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) 																												

SOIL

Sampling Point: W-WCR-02_UPL-1

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 4	10YR 3/2	100					Silt	
4 - 7	10YR 5/2	100					Silt	
7 - 9	10YR 6/4	100					Sand	
9 - 16	10YR 4/6	100					Sand	

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

Hydric Soil Indicators:		Indicators for Problematic Hydric Soils³:	
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B)	<input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B)	
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B)	<input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R)	
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L)	<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)	
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Dark Surface (S7) (LRR K, L)	
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Polyvalue Below Surface (S8) (LRR K, L)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Redox Dark Surface (F6)	<input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Depleted Dark Surface (F7)	<input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Redox Depressions (F8)	<input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149B)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)		<input type="checkbox"/> Mesic Spodic (TA6) (MLRA 144A, 145, 149B)	
<input type="checkbox"/> Sandy Redox (S5)		<input type="checkbox"/> Red Parent Material (F21)	
<input type="checkbox"/> Stripped Matrix (S6)		<input type="checkbox"/> Very Shallow Dark Surface (TF12)	
<input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B)		<input type="checkbox"/> Other (Explain in Remarks)	

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

Restrictive Layer (if observed):		Hydric Soil Present?	
Type:	None	Yes	No <input checked="" type="checkbox"/>
Depth (inches):			

Remarks:

Refusal due to coarse fragments.

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin County Sampling Date: 2020-June-09
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-03_PFO-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Flood Plain Local relief (concave, convex, none): Undulating Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9357223754 Long: -74.1387117282 Datum: WGS84
 Soil Map Unit Name: Sun stony loam, 0 to 5 percent slopes NWI classification: PFO
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-WCR-03
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PFO. Area is wetland, all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input checked="" type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input checked="" type="checkbox"/> Drift Deposits (B3)	<input checked="" type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input checked="" type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>6</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-03 PFO-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total % Cover of:</td> <td style="text-align: center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>20</u></td> <td>x 1 = <u>20</u></td> </tr> <tr> <td>FACW species <u>90</u></td> <td>x 2 = <u>180</u></td> </tr> <tr> <td>FAC species <u>25</u></td> <td>x 3 = <u>75</u></td> </tr> <tr> <td>FACU species <u>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>140</u></td> <td>(A) <u>295</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.1</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>20</u>	x 1 = <u>20</u>	FACW species <u>90</u>	x 2 = <u>180</u>	FAC species <u>25</u>	x 3 = <u>75</u>	FACU species <u>5</u>	x 4 = <u>20</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>140</u>	(A) <u>295</u> (B)	Prevalence Index = B/A = <u>2.1</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>20</u>	x 1 = <u>20</u>																			
FACW species <u>90</u>	x 2 = <u>180</u>																			
FAC species <u>25</u>	x 3 = <u>75</u>																			
FACU species <u>5</u>	x 4 = <u>20</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>140</u>	(A) <u>295</u> (B)																			
Prevalence Index = B/A = <u>2.1</u>																				
1. <i>Fraxinus pennsylvanica</i>	50	Yes	FACW																	
2. <i>Acer rubrum</i>	20	Yes	FAC																	
3. <i>Betula alleghaniensis</i>	5	No	FAC																	
4. _____																				
5. _____																				
6. _____																				
7. _____																				
	<u>75</u>	= Total Cover																		
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. _____																				
2. _____																				
3. _____																				
4. _____																				
5. _____																				
6. _____																				
7. _____																				
	<u>0</u>	= Total Cover																		
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Onoclea sensibilis</i>	40	Yes	FACW																	
2. <i>Osmunda spectabilis</i>	20	Yes	OBL																	
3. <i>Lonicera japonica</i>	5	No	FACU																	
4. _____																				
5. _____																				
6. _____																				
7. _____																				
8. _____																				
9. _____																				
10. _____																				
11. _____																				
12. _____																				
	<u>65</u>	= Total Cover																		
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____																				
2. _____																				
3. _____																				
4. _____																				
	<u>0</u>	= Total Cover																		
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC). A positive indication of hydrophytic vegetation was observed (Prevalence Index is ≤ 3.00).																				

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Burke, Franklin County Sampling Date: 2020-June-10
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-03_UPL-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Undulating Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9357820937 Long: -74.1386810708 Datum: WGS84
 Soil Map Unit Name: Colton and Constable gravelly and cobbly loamy sands, 15 to 25 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-03 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>80</u> (A/B) Prevalence Index worksheet: <table style="width:100%; border:none;"> <tr> <td style="text-align:right;">Total % Cover of:</td> <td style="text-align:right;">Multiply By:</td> </tr> <tr> <td>OBL species <u>5</u></td> <td>x 1 = <u>5</u></td> </tr> <tr> <td>FACW species <u>61</u></td> <td>x 2 = <u>122</u></td> </tr> <tr> <td>FAC species <u>85</u></td> <td>x 3 = <u>255</u></td> </tr> <tr> <td>FACU species <u>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>20</u></td> <td>x 5 = <u>100</u></td> </tr> <tr> <td>Column Totals <u>176</u></td> <td>(A) <u>502</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>2.9</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>5</u>	x 1 = <u>5</u>	FACW species <u>61</u>	x 2 = <u>122</u>	FAC species <u>85</u>	x 3 = <u>255</u>	FACU species <u>5</u>	x 4 = <u>20</u>	UPL species <u>20</u>	x 5 = <u>100</u>	Column Totals <u>176</u>	(A) <u>502</u> (B)	Prevalence Index = B/A = <u>2.9</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>5</u>	x 1 = <u>5</u>																			
FACW species <u>61</u>	x 2 = <u>122</u>																			
FAC species <u>85</u>	x 3 = <u>255</u>																			
FACU species <u>5</u>	x 4 = <u>20</u>																			
UPL species <u>20</u>	x 5 = <u>100</u>																			
Column Totals <u>176</u>	(A) <u>502</u> (B)																			
Prevalence Index = B/A = <u>2.9</u>																				
1. <i>Betula alleghaniensis</i>	60	Yes	FAC																	
2. <i>Acer rubrum</i>	25	Yes	FAC																	
3. <i>Fraxinus pennsylvanica</i>	6	No	FACW																	
4. <i>Prunus serotina</i>	5	No	FACU																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
	<u>96</u>	= Total Cover																		
Sapling/Shrub Stratum (Plot size: 15 ft)																				
1. <i>Fraxinus pennsylvanica</i>	40	Yes	FACW																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
	<u>40</u>	= Total Cover																		
Herb Stratum (Plot size: 5 ft)																				
1. <i>Dennstaedtia punctilobula</i>	20	Yes	UPL																	
2. <i>Osmundastrum cinnamomeum</i>	15	Yes	FACW																	
3. <i>Osmunda spectabilis</i>	5	No	OBL																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
	<u>40</u>	= Total Cover																		
Woody Vine Stratum (Plot size: 30 ft)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
	<u>0</u>	= Total Cover																		
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) 																				

SOIL

Sampling Point: W-WCR-03_UPL-1

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 6	10YR 2/1	100					Silt	
6 - 15	10YR 2/1	100					Silt Loam	
15 - 20	10YR 5/2	93	10YR 5/8	7				

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

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) (LRR R, MLRA 149B)
- Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- Thin Dark Surface (S9) (LRR R, MLRA 149B)
- Loamy Mucky Mineral (F1) (LRR K, L)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- Coast Prairie Redox (A16) (LRR K, L, R)
- 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- Polyvalue Below Surface (S8) (LRR K, L)
- Thin Dark Surface (S9) (LRR K, L)
- Iron-Manganese Masses (F12) (LRR K, L, R)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (F21)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: None
 Depth (inches): _____

Hydric Soil Present? Yes ___ No ✓

Remarks:

No positive indication of hydric soils was observed.

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-04_PEM-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9260919184 Long: -74.1129202284 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 3 to 8 percent slopes NWI classification: PEM

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-WCR-04
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PEM. Area is wetland, all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input checked="" type="checkbox"/> Drift Deposits (B3)	<input checked="" type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (at least one primary indicator). A positive indication of wetland hydrology was observed (at least two secondary indicators).		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-04 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;">Total % Cover of:</th> <th style="width: 25%; text-align: center;">Multiply By:</th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>5</u></td> <td style="text-align: center;">x 1 = <u>5</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>95</u></td> <td style="text-align: center;">x 2 = <u>190</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>100</u></td> <td style="text-align: center;">(A) <u>195</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>2</u></td> </tr> </tbody> </table>		Total % Cover of:	Multiply By:	OBL species	<u>5</u>	x 1 = <u>5</u>	FACW species	<u>95</u>	x 2 = <u>190</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>100</u>	(A) <u>195</u> (B)	Prevalence Index = B/A = <u>2</u>		
	Total % Cover of:	Multiply By:																										
OBL species	<u>5</u>	x 1 = <u>5</u>																										
FACW species	<u>95</u>	x 2 = <u>190</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>100</u>	(A) <u>195</u> (B)																										
Prevalence Index = B/A = <u>2</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
	<u>0</u>	= Total Cover																										
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
	<u>0</u>	= Total Cover																										
Herb Stratum (Plot size: 5 ft)																												
1. <i>Solidago gigantea</i>	50	Yes	FACW																									
2. <i>Impatiens capensis</i>	30	Yes	FACW																									
3. <i>Onoclea sensibilis</i>	15	No	FACW																									
4. <i>Typha angustifolia</i>	5	No	OBL																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
	<u>100</u>	= Total Cover																										
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
	<u>0</u>	= Total Cover																										
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) 																												

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-04_PFO-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9253760805 Long: -74.1105909426 Datum: WGS84
 Soil Map Unit Name: Sun stony loam, 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-WCR-04
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PFO. Area is wetland, all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input checked="" type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (at least one primary indicator). A positive indication of wetland hydrology was observed (at least two secondary indicators).		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-04 PFO-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total % Cover of:</td> <td style="text-align: center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>4</u></td> <td>x 1 = <u>4</u></td> </tr> <tr> <td>FACW species <u>121</u></td> <td>x 2 = <u>242</u></td> </tr> <tr> <td>FAC species <u>35</u></td> <td>x 3 = <u>105</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals <u>160</u></td> <td>(A) <u>351</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.2</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>4</u>	x 1 = <u>4</u>	FACW species <u>121</u>	x 2 = <u>242</u>	FAC species <u>35</u>	x 3 = <u>105</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals <u>160</u>	(A) <u>351</u> (B)	Prevalence Index = B/A = <u>2.2</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>4</u>	x 1 = <u>4</u>																			
FACW species <u>121</u>	x 2 = <u>242</u>																			
FAC species <u>35</u>	x 3 = <u>105</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals <u>160</u>	(A) <u>351</u> (B)																			
Prevalence Index = B/A = <u>2.2</u>																				
1. <i>Salix amygdaloides</i>	60	Yes	FACW																	
2. <i>Acer negundo</i>	20	Yes	FAC																	
3. _____																				
4. _____																				
5. _____																				
6. _____																				
7. _____																				
	80	= Total Cover																		
Sapling/Shrub Stratum (Plot size: 15 ft)																				
1. <i>Acer negundo</i>	10	Yes	FAC																	
2. <i>Salix amygdaloides</i>	5	Yes	FACW																	
3. _____																				
4. _____																				
5. _____																				
6. _____																				
7. _____																				
	15	= Total Cover																		
Herb Stratum (Plot size: 5 ft)																				
1. <i>Impatiens capensis</i>	50	Yes	FACW																	
2. <i>Onoclea sensibilis</i>	6	No	FACW																	
3. <i>Equisetum fluviatile</i>	4	No	OBL																	
4. _____																				
5. _____																				
6. _____																				
7. _____																				
8. _____																				
9. _____																				
10. _____																				
11. _____																				
12. _____																				
	60	= Total Cover																		
Woody Vine Stratum (Plot size: 30 ft)																				
1. <i>Vitis riparia</i>	5	Yes	FAC																	
2. _____																				
3. _____																				
4. _____																				
	5	= Total Cover																		

Hydrophytic Vegetation Indicators:
 1- Rapid Test for Hydrophytic Vegetation
 2 - Dominance Test is >50%
 3 - Prevalence Index is ≤ 3.0¹
 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)
¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Vegetation Strata:
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 of size, and woody plants less than 3.28 ft tall.
Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes No

Remarks: (Include photo numbers here or on a separate sheet.)
 A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC).

Vegetation Photos



Soil Photos



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-04_PSS-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9253983321 Long: -74.1098854249 Datum: WGS84
 Soil Map Unit Name: Sun stony loam, 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-WCR-04
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PSS. Area is wetland, all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input checked="" type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (at least one primary indicator). A positive indication of wetland hydrology was observed (at least two secondary indicators).		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-04 PSS-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 10%; text-align: center;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: center;">Multiply By:</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 1 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>150</u></td> <td></td> <td style="text-align: center;">x 2 =</td> <td style="text-align: center;"><u>300</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 3 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 4 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>150</u></td> <td style="text-align: center;">(A)</td> <td></td> <td style="text-align: center;"><u>300</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A =</td> <td style="text-align: center;"><u>2</u></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:		OBL species	<u>0</u>		x 1 =	<u>0</u>	FACW species	<u>150</u>		x 2 =	<u>300</u>	FAC species	<u>0</u>		x 3 =	<u>0</u>	FACU species	<u>0</u>		x 4 =	<u>0</u>	UPL species	<u>0</u>		x 5 =	<u>0</u>	Column Totals	<u>150</u>	(A)		<u>300</u> (B)	Prevalence Index = B/A =				<u>2</u>
	Total % Cover of:		Multiply By:																																									
OBL species	<u>0</u>		x 1 =		<u>0</u>																																							
FACW species	<u>150</u>		x 2 =		<u>300</u>																																							
FAC species	<u>0</u>		x 3 =		<u>0</u>																																							
FACU species	<u>0</u>		x 4 =		<u>0</u>																																							
UPL species	<u>0</u>		x 5 =		<u>0</u>																																							
Column Totals	<u>150</u>	(A)			<u>300</u> (B)																																							
Prevalence Index = B/A =					<u>2</u>																																							
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
<u>0</u> = Total Cover																																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																																												
1. <i>Spiraea alba</i>	40	Yes	FACW																																									
2. <i>Salix petiolaris</i>	30	Yes	FACW																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
<u>70</u> = Total Cover																																												
Herb Stratum (Plot size: <u>5 ft</u>)																																												
1. <i>Phalaris arundinacea</i>	80	Yes	FACW	Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																								
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
<u>80</u> = Total Cover																																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
<u>0</u> = Total Cover																																												
Remarks: (Include photo numbers here or on a separate sheet.)																																												
A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC). A positive indication of hydrophytic vegetation was observed (Prevalence Index is ≤ 3.00).																																												

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot
East



Photo of Sample Plot
South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-04_UPL-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Undulating Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9259708328 Long: -74.112944752 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Area is upland, not all three wetland parameters are present. Circumstances are not normal due to agricultural activities.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	
No positive indication of wetland hydrology was observed.	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-04 UPL-1

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
	0	= Total Cover			
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15 ft</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
	0	= Total Cover			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	0	= Total Cover			
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
	0	= Total Cover			

Dominance Test worksheet:
 Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
 Total Number of Dominant Species Across All Strata: 0 (B)
 Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals <u>0</u>	(A) <u>0</u> (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
 ____ 1- Rapid Test for Hydrophytic Vegetation
 ____ 2 - Dominance Test is > 50%
 ____ 3 - Prevalence Index is ≤ 3.0¹
 ____ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 ____ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Vegetation Strata:
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 of size, and woody plants less than 3.28 ft tall.
Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No

Remarks: (Include photo numbers here or on a separate sheet.)
 Active agricultural field.

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-04_UPL-2
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Undulating Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9255418816 Long: -74.1105267406 Datum: WGS84
 Soil Map Unit Name: Sun stony loam, 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Area is upland, not all three wetland parameters are present. Circumstances are not normal due to agricultural activities.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
No positive indication of wetland hydrology was observed.		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-04 UPL-2

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
	0	= Total Cover			
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15 ft</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
	0	= Total Cover			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	0	= Total Cover			
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
	0	= Total Cover			

Dominance Test worksheet:
 Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
 Total Number of Dominant Species Across All Strata: 0 (B)
 Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)

Prevalence Index worksheet:

	<u>Total % Cover of:</u>		<u>Multiply By:</u>
OBL species	<u>0</u>	x 1 =	<u>0</u>
FACW species	<u>0</u>	x 2 =	<u>0</u>
FAC species	<u>0</u>	x 3 =	<u>0</u>
FACU species	<u>0</u>	x 4 =	<u>0</u>
UPL species	<u>0</u>	x 5 =	<u>0</u>
Column Totals	<u>0</u>	(A)	<u>0</u> (B)
Prevalence Index = B/A = _____			

Hydrophytic Vegetation Indicators:
 ____ 1- Rapid Test for Hydrophytic Vegetation
 ____ 2 - Dominance Test is > 50%
 ____ 3 - Prevalence Index is ≤ 3.0¹
 ____ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 ____ Problematic Hydrophytic Vegetation¹ (Explain)
¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Vegetation Strata:
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 of size, and woody plants less than 3.28 ft tall.
Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No

Remarks: (Include photo numbers here or on a separate sheet.)
 Active agricultural field.

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-04_UPL-3
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Undulating Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9255225878 Long: -74.1099340786 Datum: WGS84
 Soil Map Unit Name: Sun stony loam, 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Area is upland, not all three wetland parameters are present. Circumstances are not normal due to agricultural activities.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	
No positive indication of wetland hydrology was observed.	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-04 UPL-3

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
	0	= Total Cover			
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15 ft</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
	0	= Total Cover			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	0	= Total Cover			
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
	0	= Total Cover			

Dominance Test worksheet:
 Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
 Total Number of Dominant Species Across All Strata: 0 (B)
 Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals <u>0</u>	(A) <u>0</u> (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
 ____ 1- Rapid Test for Hydrophytic Vegetation
 ____ 2 - Dominance Test is > 50%
 ____ 3 - Prevalence Index is ≤ 3.0¹
 ____ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 ____ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Vegetation Strata:
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 of size, and woody plants less than 3.28 ft tall.
Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No

Remarks: (Include photo numbers here or on a separate sheet.)
 Active agricultural field.

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-05_PEM-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9243604098 Long: -74.1149436682 Datum: WGS84
 Soil Map Unit Name: Sun stony loam, 0 to 5 percent slopes NWI classification: PEM

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID:	W-WCR-05
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PEM. Area is wetland, all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input checked="" type="checkbox"/> Drift Deposits (B3)	<input checked="" type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (at least one primary indicator). A positive indication of wetland hydrology was observed (at least two secondary indicators).		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-05 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 10%; text-align: center;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: center;">Multiply By:</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 1 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>110</u></td> <td></td> <td style="text-align: center;">x 2 =</td> <td style="text-align: center;"><u>220</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 3 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 4 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>110</u></td> <td style="text-align: center;">(A)</td> <td></td> <td style="text-align: center;"><u>220</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A =</td> <td style="text-align: center;"><u>2</u></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:		OBL species	<u>0</u>		x 1 =	<u>0</u>	FACW species	<u>110</u>		x 2 =	<u>220</u>	FAC species	<u>0</u>		x 3 =	<u>0</u>	FACU species	<u>0</u>		x 4 =	<u>0</u>	UPL species	<u>0</u>		x 5 =	<u>0</u>	Column Totals	<u>110</u>	(A)		<u>220</u> (B)	Prevalence Index = B/A =				<u>2</u>
	Total % Cover of:		Multiply By:																																									
OBL species	<u>0</u>		x 1 =		<u>0</u>																																							
FACW species	<u>110</u>		x 2 =		<u>220</u>																																							
FAC species	<u>0</u>		x 3 =		<u>0</u>																																							
FACU species	<u>0</u>		x 4 =		<u>0</u>																																							
UPL species	<u>0</u>		x 5 =		<u>0</u>																																							
Column Totals	<u>110</u>	(A)			<u>220</u> (B)																																							
Prevalence Index = B/A =					<u>2</u>																																							
1. <i>Salix amygdaloides</i>	5	Yes	FACW																																									
2. _____																																												
3. _____																																												
4. _____																																												
5. _____																																												
6. _____																																												
7. _____																																												
<u>5</u> = Total Cover																																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																																												
1. <i>Salix amygdaloides</i>	5	Yes	FACW																																									
2. _____																																												
3. _____																																												
4. _____																																												
5. _____																																												
6. _____																																												
7. _____																																												
<u>5</u> = Total Cover																																												
Herb Stratum (Plot size: <u>5 ft</u>)																																												
1. <i>Onoclea sensibilis</i>	40	Yes	FACW																																									
2. <i>Phalaris arundinacea</i>	25	Yes	FACW																																									
3. <i>Solidago gigantea</i>	20	Yes	FACW																																									
4. <i>Impatiens capensis</i>	15	No	FACW																																									
5. _____																																												
6. _____																																												
7. _____																																												
8. _____																																												
9. _____																																												
10. _____																																												
11. _____																																												
12. _____																																												
<u>100</u> = Total Cover																																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																																												
1. _____																																												
2. _____																																												
3. _____																																												
4. _____																																												
<u>0</u> = Total Cover																																												
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																												
Remarks: (Include photo numbers here or on a separate sheet.) 																																												

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-05_UPL-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Undulating Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9244904773 Long: -74.114921577 Datum: WGS84
 Soil Map Unit Name: Sun stony loam, 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Area is upland, not all three wetland parameters are present. Circumstances are not normal due to agricultural activities.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (includes capillary fringe)	Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
No positive indication of wetland hydrology was observed.		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-05 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 2 = <u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 3 = <u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 4 = <u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>20</u></td> <td style="text-align: center;">x 5 = <u>100</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>20</u> (A)</td> <td style="text-align: center;"><u>100</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>5</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>0</u>	x 2 = <u>0</u>	FAC species	<u>0</u>	x 3 = <u>0</u>	FACU species	<u>0</u>	x 4 = <u>0</u>	UPL species	<u>20</u>	x 5 = <u>100</u>	Column Totals	<u>20</u> (A)	<u>100</u> (B)	Prevalence Index = B/A = <u>5</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>0</u>	x 2 = <u>0</u>																										
FAC species	<u>0</u>	x 3 = <u>0</u>																										
FACU species	<u>0</u>	x 4 = <u>0</u>																										
UPL species	<u>20</u>	x 5 = <u>100</u>																										
Column Totals	<u>20</u> (A)	<u>100</u> (B)																										
Prevalence Index = B/A = <u>5</u>																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
	<u>0</u> = Total Cover																											
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
	<u>0</u> = Total Cover																											
Herb Stratum (Plot size: <u>5 ft</u>)																												
1. <i>Zea mays</i>	20	Yes	UPL																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
	<u>20</u> = Total Cover																											
Woody Vine Stratum (Plot size: <u>30 ft</u>)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
	<u>0</u> = Total Cover																											
Hydrophytic Vegetation Indicators: ____ 1- Rapid Test for Hydrophytic Vegetation ____ 2 - Dominance Test is > 50% ____ 3 - Prevalence Index is ≤ 3.0 ¹ ____ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes ____ No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.)																												

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-06_PEM-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9271936088 Long: -74.1178871693 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No ____ (If no, explain in Remarks.)
 Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes No ____
 Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-WCR-06
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is PEM. Area is wetland, all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input checked="" type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____
Water Table Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (at least one primary indicator).		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-06 PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																																	
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%; text-align: center;">Total % Cover of:</th> <th style="width: 20%;"></th> <th style="width: 30%; text-align: center;">Multiply By:</th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>20</u></td> <td>x 1 =</td> <td style="text-align: center;"><u>20</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>65</u></td> <td>x 2 =</td> <td style="text-align: center;"><u>130</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td>x 4 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>85</u></td> <td>(A)</td> <td style="text-align: center;"><u>150</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: center;">Prevalence Index = B/A = <u>1.8</u></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:	OBL species	<u>20</u>	x 1 =	<u>20</u>	FACW species	<u>65</u>	x 2 =	<u>130</u>	FAC species	<u>0</u>	x 3 =	<u>0</u>	FACU species	<u>0</u>	x 4 =	<u>0</u>	UPL species	<u>0</u>	x 5 =	<u>0</u>	Column Totals	<u>85</u>	(A)	<u>150</u> (B)	Prevalence Index = B/A = <u>1.8</u>			
	Total % Cover of:		Multiply By:																																	
OBL species	<u>20</u>	x 1 =	<u>20</u>																																	
FACW species	<u>65</u>	x 2 =	<u>130</u>																																	
FAC species	<u>0</u>	x 3 =	<u>0</u>																																	
FACU species	<u>0</u>	x 4 =	<u>0</u>																																	
UPL species	<u>0</u>	x 5 =	<u>0</u>																																	
Column Totals	<u>85</u>	(A)	<u>150</u> (B)																																	
Prevalence Index = B/A = <u>1.8</u>																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
<u>0</u> = Total Cover																																				
Sapling/Shrub Stratum (Plot size: 15 ft)																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
<u>0</u> = Total Cover																																				
Herb Stratum (Plot size: 5 ft)																																				
1. <i>Phalaris arundinacea</i>	40	Yes	FACW																																	
2. <i>Onoclea sensibilis</i>	25	Yes	FACW																																	
3. <i>Eleocharis palustris</i>	20	Yes	OBL																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
8. _____	_____	_____	_____																																	
9. _____	_____	_____	_____																																	
10. _____	_____	_____	_____																																	
11. _____	_____	_____	_____																																	
12. _____	_____	_____	_____																																	
<u>85</u> = Total Cover																																				
Woody Vine Stratum (Plot size: 30 ft)																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
<u>0</u> = Total Cover																																				
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																				
Remarks: (Include photo numbers here or on a separate sheet.) 																																				

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot
South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-June-11
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-06_UPL-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Undulating Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9272937568 Long: -74.1177700084 Datum: WGS84
 Soil Map Unit Name: Brayton stony loam, 0 to 3 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Area is upland, not all three wetland parameters are present. Circumstances are not normal due to agricultural activities.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	
No positive indication of wetland hydrology was observed.	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-06 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total % Cover of:</td> <td style="text-align: center;">Multiply By:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>20</u></td> <td>x 5 = <u>100</u></td> </tr> <tr> <td>Column Totals <u>20</u></td> <td>(A) <u>100</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>5</u></td> </tr> </table>	Total % Cover of:	Multiply By:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>20</u>	x 5 = <u>100</u>	Column Totals <u>20</u>	(A) <u>100</u> (B)	Prevalence Index = B/A = <u>5</u>	
Total % Cover of:	Multiply By:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>20</u>	x 5 = <u>100</u>																			
Column Totals <u>20</u>	(A) <u>100</u> (B)																			
Prevalence Index = B/A = <u>5</u>																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <i>Zea mays</i>	20	Yes	UPL																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>20</u> = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
<u>0</u> = Total Cover																				
Hydrophytic Vegetation Indicators: ____ 1- Rapid Test for Hydrophytic Vegetation ____ 2 - Dominance Test is > 50% ____ 3 - Prevalence Index is ≤ 3.0 ¹ ____ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes ____ No <input checked="" type="checkbox"/>																				
Remarks: (Include photo numbers here or on a separate sheet.) Active agricultural field.																				

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin County Sampling Date: 2020-June-12
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-07_PFO-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Flat Local relief (concave, convex, none): Concave Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR R Lat: 44.9124837 Long: -74.1384345 Datum: WGS84
 Soil Map Unit Name: Sun very stony loam, 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No ____ (If no, explain in Remarks.)
 Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes No ____
 Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____		
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-WCR-07
Remarks: (Explain alternative procedures here or in a separate report)			
Coverttype is PFO.			

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)	
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input checked="" type="checkbox"/> Drainage Patterns (B10)	
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)	
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)	
Field Observations:			
Surface Water Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>1</u>
Water Table Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>8</u>
Saturation Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>0</u>
(includes capillary fringe)		Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			
The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (at least one primary indicator). A positive indication of wetland hydrology was observed (at least two secondary indicators).			

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-07 PFO-1

	Absolute % Cover	Dominant Species?	Indicator Status																																	
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 20%;"></th> <th style="width: 30%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>25</u></td> <td>x 1 =</td> <td style="text-align: center;"><u>25</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>155</u></td> <td>x 2 =</td> <td style="text-align: center;"><u>310</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td>x 4 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>180</u></td> <td>(A)</td> <td style="text-align: center;"><u>335</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: center;">Prevalence Index = B/A = <u>1.9</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>		<u>Multiply By:</u>	OBL species	<u>25</u>	x 1 =	<u>25</u>	FACW species	<u>155</u>	x 2 =	<u>310</u>	FAC species	<u>0</u>	x 3 =	<u>0</u>	FACU species	<u>0</u>	x 4 =	<u>0</u>	UPL species	<u>0</u>	x 5 =	<u>0</u>	Column Totals	<u>180</u>	(A)	<u>335</u> (B)	Prevalence Index = B/A = <u>1.9</u>			
	<u>Total % Cover of:</u>		<u>Multiply By:</u>																																	
OBL species	<u>25</u>	x 1 =	<u>25</u>																																	
FACW species	<u>155</u>	x 2 =	<u>310</u>																																	
FAC species	<u>0</u>	x 3 =	<u>0</u>																																	
FACU species	<u>0</u>	x 4 =	<u>0</u>																																	
UPL species	<u>0</u>	x 5 =	<u>0</u>																																	
Column Totals	<u>180</u>	(A)	<u>335</u> (B)																																	
Prevalence Index = B/A = <u>1.9</u>																																				
1. <i>Alnus incana</i>	60	Yes	FACW																																	
2. <i>Salix bebbiana</i>	20	Yes	FACW																																	
3. _____																																				
4. _____																																				
5. _____																																				
6. _____																																				
7. _____																																				
	<u>80</u>	= Total Cover																																		
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																																				
1. <i>Alnus incana</i>	15	Yes	FACW																																	
2. _____																																				
3. _____																																				
4. _____																																				
5. _____																																				
6. _____																																				
7. _____																																				
	<u>15</u>	= Total Cover																																		
Herb Stratum (Plot size: <u>5 ft</u>)																																				
1. <i>Solidago gigantea</i>	40	Yes	FACW																																	
2. <i>Equisetum fluviatile</i>	25	Yes	OBL																																	
3. <i>Equisetum palustre</i>	15	No	FACW																																	
4. <i>Onoclea sensibilis</i>	5	No	FACW																																	
5. _____																																				
6. _____																																				
7. _____																																				
8. _____																																				
9. _____																																				
10. _____																																				
11. _____																																				
12. _____																																				
	<u>85</u>	= Total Cover																																		
Woody Vine Stratum (Plot size: <u>30 ft</u>)																																				
1. _____																																				
2. _____																																				
3. _____																																				
4. _____																																				
	<u>0</u>	= Total Cover																																		
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																																				
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																																				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																				
Remarks: (Include photo numbers here or on a separate sheet.)																																				

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: , Sampling Date: 2020-June-12
 Applicant/Owner: Geronimo State: Sampling Point: W-WCR-07_UPL-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range:
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9123814721 Long: -74.1384790465 Datum: WGS84
 Soil Map Unit Name: Sun very stony loam, 0 to 5 percent slopes NWI classification:
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL. Area is upland, not all three wetland parameters are present.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	
No positive indication of wetland hydrology was observed.	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-07 UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;"><u>Total % Cover of:</u></th> <th style="width: 25%; text-align: center;"><u>Multiply By:</u></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 1 = <u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>25</u></td> <td style="text-align: center;">x 2 = <u>50</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>5</u></td> <td style="text-align: center;">x 3 = <u>15</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>129</u></td> <td style="text-align: center;">x 4 = <u>516</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>159</u></td> <td style="text-align: center;">(A) <u>581</u> (B)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Prevalence Index = B/A = <u>3.7</u></td> </tr> </tbody> </table>		<u>Total % Cover of:</u>	<u>Multiply By:</u>	OBL species	<u>0</u>	x 1 = <u>0</u>	FACW species	<u>25</u>	x 2 = <u>50</u>	FAC species	<u>5</u>	x 3 = <u>15</u>	FACU species	<u>129</u>	x 4 = <u>516</u>	UPL species	<u>0</u>	x 5 = <u>0</u>	Column Totals	<u>159</u>	(A) <u>581</u> (B)	Prevalence Index = B/A = <u>3.7</u>		
	<u>Total % Cover of:</u>	<u>Multiply By:</u>																										
OBL species	<u>0</u>	x 1 = <u>0</u>																										
FACW species	<u>25</u>	x 2 = <u>50</u>																										
FAC species	<u>5</u>	x 3 = <u>15</u>																										
FACU species	<u>129</u>	x 4 = <u>516</u>																										
UPL species	<u>0</u>	x 5 = <u>0</u>																										
Column Totals	<u>159</u>	(A) <u>581</u> (B)																										
Prevalence Index = B/A = <u>3.7</u>																												
1. <i>Acer saccharum</i>	75	Yes	FACU																									
2. <i>Fraxinus americana</i>	20	Yes	FACU																									
3. <i>Salix bebbiana</i>	5	No	FACW																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
100 = Total Cover																												
Sapling/Shrub Stratum (Plot size: 15 ft)																												
1. <i>Acer saccharum</i>	20	Yes	FACU																									
2. <i>Populus tremuloides</i>	10	Yes	FACU																									
3. <i>Viburnum lentago</i>	5	No	FAC																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
35 = Total Cover																												
Herb Stratum (Plot size: 5 ft)																												
1. <i>Onoclea sensibilis</i>	15	Yes	FACW																									
2. <i>Equisetum palustre</i>	5	Yes	FACW																									
3. <i>Rubus idaeus</i>	4	No	FACU																									
4. _____	_____	_____	_____																									
5. _____	_____	_____	_____																									
6. _____	_____	_____	_____																									
7. _____	_____	_____	_____																									
8. _____	_____	_____	_____																									
9. _____	_____	_____	_____																									
10. _____	_____	_____	_____																									
11. _____	_____	_____	_____																									
12. _____	_____	_____	_____																									
24 = Total Cover																												
Woody Vine Stratum (Plot size: 30 ft)																												
1. _____	_____	_____	_____																									
2. _____	_____	_____	_____																									
3. _____	_____	_____	_____																									
4. _____	_____	_____	_____																									
0 = Total Cover																												
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																												
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																												
Remarks: (Include photo numbers here or on a separate sheet.) No positive indication of hydrophytic vegetation was observed (≥50% of dominant species indexed as FAC- or drier).																												

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



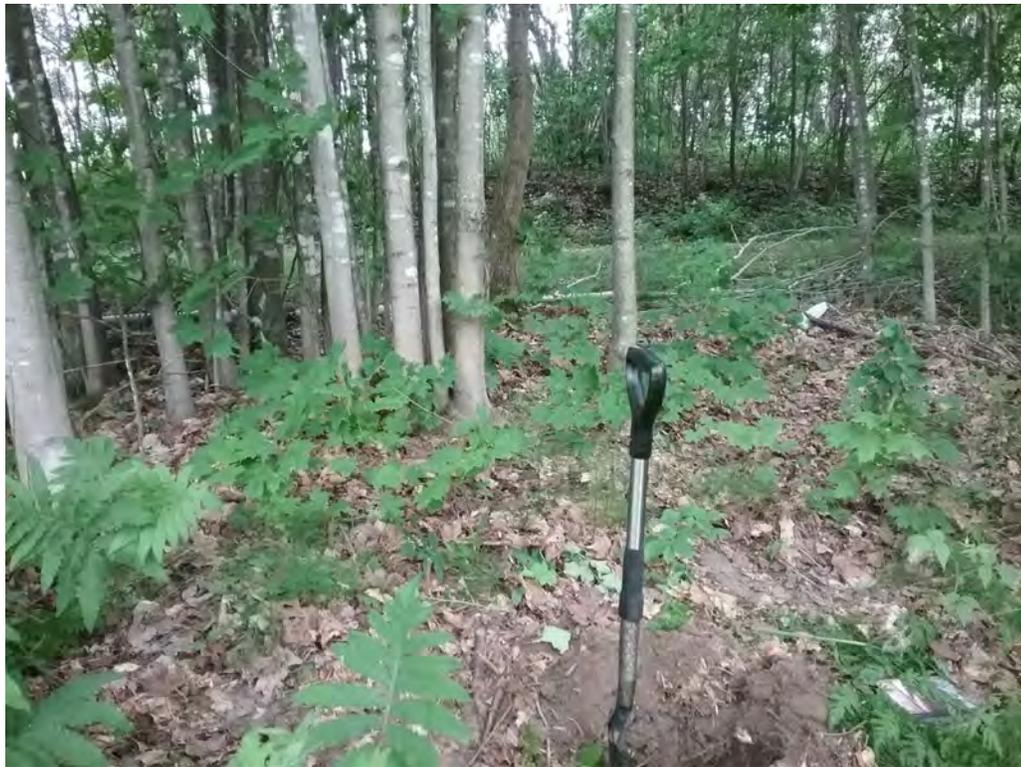
Photo of Sample Plot
East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2021-May-25
 Applicant/Owner: Geronimo State: NY Sampling Point: W-RDS-01_PEM-1
 Investigator(s): Ryan Snow, Ryan Snow, Carson Rowe Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR L Lat: 44.9255064961 Long: -74.1080331306 Datum: WGS84
 Soil Map Unit Name: Runeburg Soils, 3 to 5 percent NWI classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: (Explain alternative procedures here or in a separate report)		If yes, optional Wetland Site ID: <u>W-RDS-01</u>	
Covertypes is PEM.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input checked="" type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input checked="" type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input checked="" type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>12</u>
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>4</u>
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
_____ _____ _____	
Remarks:	
_____ _____ _____	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-RDS-01_PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)																																								
1.																																												
2.																																												
3.																																												
4.																																												
5.																																												
6.																																												
7.																																												
0 = Total Cover																																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																																												
1. <i>Salix nigra</i>	10	Yes	OBL	Prevalence Index worksheet: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:40%;"></th> <th style="width:10%; text-align:center;">Total % Cover of:</th> <th style="width:10%;"></th> <th style="width:10%; text-align:center;">Multiply By:</th> <th style="width:10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align:center;">90</td> <td></td> <td style="text-align:center;">x 1 =</td> <td style="text-align:center;">90</td> </tr> <tr> <td>FACW species</td> <td style="text-align:center;">10</td> <td></td> <td style="text-align:center;">x 2 =</td> <td style="text-align:center;">20</td> </tr> <tr> <td>FAC species</td> <td style="text-align:center;">0</td> <td></td> <td style="text-align:center;">x 3 =</td> <td style="text-align:center;">0</td> </tr> <tr> <td>FACU species</td> <td style="text-align:center;">10</td> <td></td> <td style="text-align:center;">x 4 =</td> <td style="text-align:center;">40</td> </tr> <tr> <td>UPL species</td> <td style="text-align:center;">0</td> <td></td> <td style="text-align:center;">x 5 =</td> <td style="text-align:center;">0</td> </tr> <tr> <td>Column Totals</td> <td style="text-align:center;">110</td> <td></td> <td style="text-align:center;">(A)</td> <td style="text-align:center;">150 (B)</td> </tr> <tr> <td colspan="4" style="text-align:right;">Prevalence Index = B/A =</td> <td style="text-align:center;"><u>1.4</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic		Total % Cover of:		Multiply By:		OBL species	90		x 1 =	90	FACW species	10		x 2 =	20	FAC species	0		x 3 =	0	FACU species	10		x 4 =	40	UPL species	0		x 5 =	0	Column Totals	110		(A)	150 (B)	Prevalence Index = B/A =				<u>1.4</u>
	Total % Cover of:		Multiply By:																																									
OBL species	90		x 1 =		90																																							
FACW species	10		x 2 =		20																																							
FAC species	0		x 3 =		0																																							
FACU species	10		x 4 =		40																																							
UPL species	0		x 5 =		0																																							
Column Totals	110		(A)		150 (B)																																							
Prevalence Index = B/A =					<u>1.4</u>																																							
2.																																												
3.																																												
4.																																												
5.																																												
6.																																												
7.																																												
10 = Total Cover																																												
Herb Stratum (Plot size: <u>5 ft</u>)																																												
1. <i>Typha angustifolia</i>	80	Yes	OBL																																									
2. <i>Galium mollugo</i>	10	No	FACU																																									
3. <i>Dryopteris carthusiana</i>	5	No	FACW																																									
4. <i>Impatiens capensis</i>	5	No	FACW																																									
5.																																												
6.																																												
7.																																												
8.																																												
9.																																												
10.																																												
11.																																												
12.																																												
100 = Total Cover																																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																																												
1.																																												
2.																																												
3.																																												
4.																																												
0 = Total Cover																																												
Definitions of Vegetation Strata: 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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																												
Remarks: (Include photo numbers here or on a separate sheet.) 																																												

SOIL

Sampling Point: W-RDS-01_PEM-1

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 6	10YR 3/1	80	5YR 3/4	20	C	M/PL	Silty Clay	
6 - 20	10YR 5/2	70	5YR 4/6	30	C	M	Clay	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

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

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) (LRR R, MLRA 149B)
- Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- Thin Dark Surface (S9) (LRR R, MLRA 149B)
- Loamy Mucky Mineral (F1) (LRR K, L)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- Coast Prairie Redox (A16) (LRR K, L, R)
- 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- Polyvalue Below Surface (S8) (LRR K, L)
- Thin Dark Surface (S9) (LRR K, L)
- Iron-Manganese Masses (F12) (LRR K, L, R)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (F21)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: None Hydric Soil Present? Yes No

Depth (inches): _____

Remarks:

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2021-May-25
 Applicant/Owner: Geronimo State: NY Sampling Point: W-RDS-01_UPL-1
 Investigator(s): Ryan Snow, Ryan Snow, Carson Rowe Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Flat Local relief (concave, convex, none): None Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR L Lat: 44.9251236748 Long: -74.1095516595 Datum: WGS84
 Soil Map Unit Name: Runeburg Soils 3 to 5 percent slopes NWI classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-RDS-01_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>25</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 15%;">Total % Cover of:</th> <th style="width: 15%;"></th> <th style="width: 15%;">Multiply By:</th> <th style="width: 15%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 1 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 2 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>10</u></td> <td></td> <td style="text-align: center;">x 3 =</td> <td style="text-align: center;"><u>30</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>140</u></td> <td></td> <td style="text-align: center;">x 4 =</td> <td style="text-align: center;"><u>560</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>150</u></td> <td style="text-align: center;">(A)</td> <td></td> <td style="text-align: center;"><u>590</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A =</td> <td style="text-align: center;"><u>3.9</u></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:		OBL species	<u>0</u>		x 1 =	<u>0</u>	FACW species	<u>0</u>		x 2 =	<u>0</u>	FAC species	<u>10</u>		x 3 =	<u>30</u>	FACU species	<u>140</u>		x 4 =	<u>560</u>	UPL species	<u>0</u>		x 5 =	<u>0</u>	Column Totals	<u>150</u>	(A)		<u>590</u> (B)	Prevalence Index = B/A =				<u>3.9</u>
	Total % Cover of:		Multiply By:																																									
OBL species	<u>0</u>		x 1 =		<u>0</u>																																							
FACW species	<u>0</u>		x 2 =		<u>0</u>																																							
FAC species	<u>10</u>		x 3 =		<u>30</u>																																							
FACU species	<u>140</u>		x 4 =		<u>560</u>																																							
UPL species	<u>0</u>		x 5 =		<u>0</u>																																							
Column Totals	<u>150</u>	(A)			<u>590</u> (B)																																							
Prevalence Index = B/A =					<u>3.9</u>																																							
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
<u>0</u> = Total Cover																																												
Sapling/Shrub Stratum (Plot size: 15 ft)																																												
1. <i>Prunus virginiana</i>	40	Yes	FACU																																									
2. <i>Acer rubrum</i>	10	Yes	FAC																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
<u>50</u> = Total Cover																																												
Herb Stratum (Plot size: 5 ft)																																												
1. <i>Solidago canadensis</i>	50	Yes	FACU																																									
2. <i>Galium mollugo</i>	40	Yes	FACU																																									
3. <i>Fragaria virginiana</i>	10	No	FACU																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
<u>100</u> = Total Cover																																												
Woody Vine Stratum (Plot size: 30 ft)																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
<u>0</u> = Total Cover																																												
Hydrophytic Vegetation Indicators:																																												
___ 1 - Rapid Test for Hydrophytic Vegetation																																												
___ 2 - Dominance Test is > 50%																																												
___ 3 - Prevalence Index is ≤ 3.0 ¹																																												
___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)																																												
___ Problematic Hydrophytic Vegetation ¹ (Explain)																																												
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																																												
Definitions of Vegetation Strata:																																												
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 of size, and woody plants less than 3.28 ft tall.																																												
Woody vines – All woody vines greater than 3.28 ft in height.																																												
Hydrophytic Vegetation Present? Yes ___ No <input checked="" type="checkbox"/>																																												
Remarks: (Include photo numbers here or on a separate sheet.)																																												

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2021-May-25
 Applicant/Owner: Geronimo State: NY Sampling Point: W-RDS-02_PFO-1
 Investigator(s): Ryan Snow, Ryan Snow, Carson Rowe Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR L Lat: 44.9273577756 Long: -74.1083813908 Datum: WGS84
 Soil Map Unit Name: Runeburg soils 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: (Explain alternative procedures here or in a separate report)		If yes, optional Wetland Site ID: <u>W-RDS-02</u>	
Covertypes is PFO.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input checked="" type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input checked="" type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input checked="" type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)	
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>5</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-RDS-02_PFO-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)																																								
1. <i>Ulmus americana</i>	45	Yes	FACW																																									
2. <i>Fraxinus pennsylvanica</i>	25	Yes	FACW																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
			70 = Total Cover																																									
Sapling/Shrub Stratum (Plot size: 15 ft)																																												
1. <i>Fraxinus pennsylvanica</i>	10	Yes	FACW	Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 10%; text-align: center;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: center;">Multiply By:</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;">5</td> <td></td> <td style="text-align: center;">x 1 =</td> <td style="text-align: center;">5</td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;">165</td> <td></td> <td style="text-align: center;">x 2 =</td> <td style="text-align: center;">330</td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;">0</td> <td></td> <td style="text-align: center;">x 3 =</td> <td style="text-align: center;">0</td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;">0</td> <td></td> <td style="text-align: center;">x 4 =</td> <td style="text-align: center;">0</td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;">0</td> <td></td> <td style="text-align: center;">x 5 =</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;">170</td> <td></td> <td style="text-align: center;">(A)</td> <td style="text-align: center;">335 (B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A =</td> <td style="text-align: center;"><u>2</u></td> </tr> </tbody> </table> Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic		Total % Cover of:		Multiply By:		OBL species	5		x 1 =	5	FACW species	165		x 2 =	330	FAC species	0		x 3 =	0	FACU species	0		x 4 =	0	UPL species	0		x 5 =	0	Column Totals	170		(A)	335 (B)	Prevalence Index = B/A =				<u>2</u>
	Total % Cover of:		Multiply By:																																									
OBL species	5		x 1 =		5																																							
FACW species	165		x 2 =		330																																							
FAC species	0		x 3 =		0																																							
FACU species	0		x 4 =		0																																							
UPL species	0		x 5 =		0																																							
Column Totals	170		(A)		335 (B)																																							
Prevalence Index = B/A =					<u>2</u>																																							
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
			10 = Total Cover																																									
Herb Stratum (Plot size: 5 ft)																																												
1. <i>Impatiens capensis</i>	60	Yes	FACW																																									
2. <i>Onoclea sensibilis</i>	20	Yes	FACW																																									
3. <i>Dryopteris carthusiana</i>	5	No	FACW																																									
4. <i>Equisetum fluviatile</i>	5	No	OBL																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
			90 = Total Cover																																									
Woody Vine Stratum (Plot size: 30 ft)																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
			0 = Total Cover																																									
Definitions of Vegetation Strata:																																												
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 of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																																												
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																												
Remarks: (Include photo numbers here or on a separate sheet.) 																																												

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot
South



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2021-May-25
 Applicant/Owner: Geronimo State: NY Sampling Point: W-RDS-02_UPL-1
 Investigator(s): Ryan Snow, Ryan Snow, Carson Rowe Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Flat Local relief (concave, convex, none): None Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR L Lat: 44.9272072966 Long: -74.1081778201 Datum: WGS84
 Soil Map Unit Name: Runeburg soils 0 to 5 percent slopes NWI classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-RDS-02_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status																																									
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B) <hr/> Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%; text-align: center;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: center;">Multiply By:</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>5</u></td> <td></td> <td style="text-align: center;">x 1 =</td> <td style="text-align: center;"><u>5</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 2 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 3 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>135</u></td> <td></td> <td style="text-align: center;">x 4 =</td> <td style="text-align: center;"><u>540</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td></td> <td style="text-align: center;">x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;"><u>140</u></td> <td></td> <td style="text-align: center;">(A)</td> <td style="text-align: center;"><u>545</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A =</td> <td style="text-align: center;"><u>3.9</u></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:		OBL species	<u>5</u>		x 1 =	<u>5</u>	FACW species	<u>0</u>		x 2 =	<u>0</u>	FAC species	<u>0</u>		x 3 =	<u>0</u>	FACU species	<u>135</u>		x 4 =	<u>540</u>	UPL species	<u>0</u>		x 5 =	<u>0</u>	Column Totals	<u>140</u>		(A)	<u>545</u> (B)	Prevalence Index = B/A =				<u>3.9</u>
	Total % Cover of:		Multiply By:																																									
OBL species	<u>5</u>		x 1 =		<u>5</u>																																							
FACW species	<u>0</u>		x 2 =		<u>0</u>																																							
FAC species	<u>0</u>		x 3 =		<u>0</u>																																							
FACU species	<u>135</u>		x 4 =		<u>540</u>																																							
UPL species	<u>0</u>		x 5 =		<u>0</u>																																							
Column Totals	<u>140</u>		(A)		<u>545</u> (B)																																							
Prevalence Index = B/A =					<u>3.9</u>																																							
1. <i>Fraxinus americana</i>	50	Yes	FACU																																									
2. <i>Tsuga canadensis</i>	25	Yes	FACU																																									
3. <i>Populus tremuloides</i>	15	No	FACU																																									
4. <i>Acer saccharum</i>	5	No	FACU																																									
5. _____																																												
6. _____																																												
7. _____																																												
	<u>95</u>	= Total Cover																																										
Sapling/Shrub Stratum (Plot size: 15 ft)																																												
1. _____																																												
2. _____																																												
3. _____																																												
4. _____																																												
5. _____																																												
6. _____																																												
7. _____																																												
	<u>0</u>	= Total Cover																																										
Herb Stratum (Plot size: 5 ft)																																												
1. <i>Rubus idaeus</i>	40	Yes	FACU																																									
2. <i>Equisetum fluviatile</i>	5	No	OBL																																									
3. _____																																												
4. _____																																												
5. _____																																												
6. _____																																												
7. _____																																												
8. _____																																												
9. _____																																												
10. _____																																												
11. _____																																												
12. _____																																												
	<u>45</u>	= Total Cover																																										
Woody Vine Stratum (Plot size: 30 ft)																																												
1. _____																																												
2. _____																																												
3. _____																																												
4. _____																																												
	<u>0</u>	= Total Cover																																										

Hydrophytic Vegetation Indicators:
 ___ 1 - Rapid Test for Hydrophytic Vegetation
 ___ 2 - Dominance Test is > 50%
 ___ 3 - Prevalence Index is ≤ 3.0¹
 ___ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 ___ Problematic Hydrophytic Vegetation¹ (Explain)
¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Vegetation Strata:
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 of size, and woody plants less than 3.28 ft tall.
Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ___ No

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W-RDS-02_UPL-1

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 8	10YR 3/2	100					Clay Loam	
8 - 20	10YR 3/3	100					Clay Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

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

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) (LRR R, MLRA 149B)
- Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- Thin Dark Surface (S9) (LRR R, MLRA 149B)
- Loamy Mucky Mineral (F1) (LRR K, L)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- Coast Prairie Redox (A16) (LRR K, L, R)
- 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- Polyvalue Below Surface (S8) (LRR K, L)
- Thin Dark Surface (S9) (LRR K, L)
- Iron-Manganese Masses (F12) (LRR K, L, R)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (F21)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: None
 Depth (inches): _____

Hydric Soil Present? Yes ___ No ✓

Remarks:

Vegetation Photos



Soil Photos



Photo of Sample Plot
East



Photo of Sample Plot
South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2021-May-25
 Applicant/Owner: Geronimo State: NY Sampling Point: W-RDS-03_PSS-1
 Investigator(s): Ryan Snow, Ryan Snow, Carson Rowe Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Channel Local relief (concave, convex, none): Concave Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR L Lat: 44.9282814295 Long: -74.1091915471 Datum: WGS84
 Soil Map Unit Name: Runeburg Soils 0 to 5 percent slopes NWI classification: _____
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: (Explain alternative procedures here or in a separate report)		If yes, optional Wetland Site ID: <u>W-RDS-03</u>	
Covertypes is PSS.			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input checked="" type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)	
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <u>6</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-RDS-03 PSS-1

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
0 = Total Cover				
Sapling/Shrub Stratum (Plot size: 15 ft)				
1. <i>Salix petiolaris</i>	45	Yes	FACW	
2. <i>Salix bebbiana</i>	25	Yes	FACW	
3.				
4.				
5.				
6.				
7.				
70 = Total Cover				
Herb Stratum (Plot size: 5 ft)				
1. <i>Phalaris arundinacea</i>	50	Yes	FACW	
2. <i>Onoclea sensibilis</i>	25	Yes	FACW	
3. <i>Carex gracillima</i>	15	No	FACU	
4. <i>Carex stipata</i>	5	No	OBL	
5. <i>Juncus effusus</i>	5	No	OBL	
6.				
7.				
8.				
9.				
10.				
11.				
12.				
100 = Total Cover				
Woody Vine Stratum (Plot size: 30 ft)				
1.				
2.				
3.				
4.				
0 = Total Cover				
Prevalence Index worksheet:				
Total % Cover of:		Multiply By:		
OBL species	10	x 1 =	10	
FACW species	145	x 2 =	290	
FAC species	0	x 3 =	0	
FACU species	15	x 4 =	60	
UPL species	0	x 5 =	0	
Column Totals	170	(A)	360 (B)	
Prevalence Index = B/A = <u>2.1</u>				
Hydrophytic Vegetation Indicators:				
<input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation				
<input checked="" type="checkbox"/> 2 - Dominance Test is >50%				
<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹				
<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)				
<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)				
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
Definitions of Vegetation Strata:				
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 of size, and woody plants less than 3.28 ft tall.				
Woody vines – All woody vines greater than 3.28 ft in height.				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: W-RDS-03 PSS-1

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 4	10YR 3/3	90	10YR 3/4	10	C	M	Clay Loam	
4 - 20	10YR 3/1	60	7.5YR 5/8	40	C	M	Gravelly Clay	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

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

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) (LRR R, MLRA 149B)
- Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- Thin Dark Surface (S9) (LRR R, MLRA 149B)
- Loamy Mucky Mineral (F1) (LRR K, L)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- Coast Prairie Redox (A16) (LRR K, L, R)
- 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- Polyvalue Below Surface (S8) (LRR K, L)
- Thin Dark Surface (S9) (LRR K, L)
- Iron-Manganese Masses (F12) (LRR K, L, R)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (F21)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

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

Restrictive Layer (if observed):		Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Type:	None		
Depth (inches):			

Remarks:

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
South



Photo of Sample Plot
West



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2021-May-25
 Applicant/Owner: Geronimo State: NY Sampling Point: W-RDS-03_UPL-1
 Investigator(s): Ryan Snow, Ryan Snow, Carson Rowe Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Flat Local relief (concave, convex, none): None Slope (%): 0 to 1
 Subregion (LRR or MLRA): LRR L Lat: 44.9282758582 Long: -74.1093420297 Datum: WGS84
 Soil Map Unit Name: Brayton Stony Loam, 3 to 8 percent slopes NWI classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes is UPL.			

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____
(includes capillary fringe)	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION -- Use scientific names of plants.

Sampling Point: W-RDS-03_UPL-1

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u> (A/B)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
	<u>0</u>	= Total Cover		
Sapling/Shrub Stratum (Plot size: 15 ft)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
	<u>0</u>	= Total Cover		
Herb Stratum (Plot size: 5 ft)				
1.	<u>45</u>	Yes	FACW	
2.	<u>35</u>	Yes	FACU	
3.	<u>15</u>	No	FACU	
4.	<u>5</u>	No	FACU	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
	<u>100</u>	= Total Cover		
Woody Vine Stratum (Plot size: 30 ft)				
1.				
2.				
3.				
4.				
	<u>0</u>	= Total Cover		
Prevalence Index worksheet:				
Total % Cover of:		Multiply By:		
OBL species	<u>0</u>	x 1 =	<u>0</u>	
FACW species	<u>45</u>	x 2 =	<u>90</u>	
FAC species	<u>0</u>	x 3 =	<u>0</u>	
FACU species	<u>55</u>	x 4 =	<u>220</u>	
UPL species	<u>0</u>	x 5 =	<u>0</u>	
Column Totals	<u>100</u>	(A)	<u>310</u> (B)	
		Prevalence Index = B/A = <u>3.1</u>		
Hydrophytic Vegetation Indicators:				
<input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation				
<input type="checkbox"/> 2 - Dominance Test is > 50%				
<input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹				
<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)				
<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)				
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
Definitions of Vegetation Strata:				
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 of size, and woody plants less than 3.28 ft tall.				
Woody vines – All woody vines greater than 3.28 ft in height.				
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Remarks: (Include photo numbers here or on a separate sheet.)				

Vegetation Photos



Soil Photos



Photo of Sample Plot
North



Photo of Sample Plot
East



Photo of Sample Plot
South



Stream Data Forms



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/11/2020</u>	
Project Number _____		Evaluated By <u>Jake Brillo</u>	
Address _____			
USGS Quadrangle(s): _____			
Stream Delineation ID <u>S-JJB-1</u>		Stream Name _____	
Stream Location <u>East of Ketcham Rd and south of Route 11</u>			
(e.g. nearest road, structure) _____			
<u>Presumed Regulatory Authority</u>			
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u>	<u>Observed Hydrology</u>	<u>Width (ft.) across Existing Water</u> <u>2</u>	
<input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>North</u> Average Depth <u>2</u>	Flood Plain Present? <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>6</u> Width (ft.) across Ordinary High Water Mark* <u>3</u> <u>*Ordinary High Water Mark Indicators</u>	
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep		
<u>Observed Use</u>		<u>Water Quality</u>	
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____	
<u>Bank Slope</u>	<u>Left*</u>	<u>Right*</u>	<u>Bank Height (ft.)</u>
0 - 8% (0 - 5°) Nearly Level - Gently Sloping			Left* <u>3</u>
8 - 15% (5 - 9°) Moderately Sloping			Right* <u>3</u>
15 - 25% (9 - 14°) Steeply Sloping	X		* Direction when facing downstream
25 - 35% (14 - 20°) Steep		X	
>35% (>20°) Very Steep			
			<u>Bank Erosion Potential</u>
			Left* Right*
			Low _____
			Moderate _____
			High X X
<u>Bank Substrate</u>	<u>Aquatic Habitat</u>		<u>Estimated Canopy Closure</u>
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____	<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____		<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/9/2020</u>		
Project Number _____		Evaluated By <u>Jake Brillo</u>		
Address _____				
USGS Quadrangle(s): _____				
Stream Delineation ID <u>S-JJB-2</u>		Stream Name <u>Allen Brook</u>		
Stream Location <u>Near intersection of Route 11 and East Rd.</u>				
(e.g. nearest road, structure)				
Presumed Regulatory Authority		DEC Class <u>C(T)</u>		
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____		
<u>Stream Class</u> <input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	<u>Observed Hydrology</u> Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>North</u> Average Depth <u>4</u>	Width (ft.) across Existing Water <u>10</u> Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ Present? <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>12</u> Width (ft.) across Ordinary High Water Mark* <u>11</u> <u>*Ordinary High Water Mark Indicators</u> <input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition		
<u>Streambed Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____		<u>Channel Gradient</u> <input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep		
<u>Observed Use</u> <input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		<u>Water Quality</u> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____		
<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping 8 - 15% (5 - 9°) Moderately Sloping 15 - 25% (9 - 14°) Steeply Sloping 25 - 35% (14 - 20°) Steep >35% (>20°) Very Steep		Left* Right* X X 	<u>Bank Height (ft.)</u> Left* <u>1</u> Right* <u>1</u> <u>* Direction when facing downstream</u>	<u>Bank Erosion Potential</u> Left* Right* Low _____ Moderate X X High _____
<u>Bank Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____		<u>Aquatic Habitat</u> <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____		<u>Estimated Canopy Closure</u> <input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/11/2020</u>	
Project Number <u>373210.0000.0000</u>		Evaluated By <u>Jacob Brillo</u>	
Address <u>Chateaugay, NY</u>			
USGS Quadrangle(s): <u>Chateaugay, Burke</u>			
Stream Delineation ID <u>S-JJB-4</u>		Stream Name _____	
Stream Location (e.g. nearest road, structure) _____			
<u>Stream Classification</u> <input type="checkbox"/> Perennial <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral		<u>Flow</u> Direction <u>Northwest</u> <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> Flooding	
		<u>Presumed Regulatory Authority</u> <input checked="" type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State	
<u>Streambed Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Boulders <input type="checkbox"/> Organic <input checked="" type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Other _____		<u>Channel Gradient</u> <input type="checkbox"/> <2% (<1°) Gentle <input checked="" type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	
		<u>Width Measurements (feet)</u> Ordinary High Water Mark <u>4</u> Across Existing Water <u>3</u> Flood Plain Present? _____ Yes, Measure Bankfull Width _____ No, Measure Top of Bank Width <u>6</u>	
<u>Probed Stream Depth</u> <input checked="" type="checkbox"/> 0 - 6 in. <input type="checkbox"/> 6 - 12 in. <input type="checkbox"/> 12 - 24 in. <input type="checkbox"/> 24 - 36 in. <input type="checkbox"/> >36 in.		<u>Observed Use</u> <input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____	
		<u>Water Quality</u> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
<u>Bank Height (feet)</u> Left* <u>1</u> Right* <u>1</u> * Direction when facing downstream		<u>Bank Slope</u> Nearly Level to Gently Sloping Left* Right* 0 - 8% (0 - 5°) <input type="checkbox"/> <input checked="" type="checkbox"/> 8 - 15% (5 - 9°) Moderately Sloping <input checked="" type="checkbox"/> <input type="checkbox"/> 15 - 25% (9 - 14°) Steeply Sloping <input type="checkbox"/> <input type="checkbox"/> 25 - 35% (14 - 20°) Steep <input type="checkbox"/> <input type="checkbox"/> >35% (>20°) Very Steep <input type="checkbox"/> <input type="checkbox"/>	
		<u>Bank Erosion Potential</u> Left* Right* Low <input type="checkbox"/> <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> High <input type="checkbox"/> <input type="checkbox"/>	
<u>Bank Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Cobble <input type="checkbox"/> Organic <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Riprap <input type="checkbox"/> Other _____		<u>Aquatic Habitat</u> <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other (None)	
		<u>Estimated Canopy Closure</u> <input checked="" type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%	



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/11/2020</u>	
Project Number _____		Evaluated By <u>Jake Brillo</u>	
Address _____			
USGS Quadrangle(s): _____			
Stream Delineation ID <u>S-JJB-5</u>		Stream Name _____	
Stream Location <u>East of Ketcham Rd and south of Route 11</u>			
(e.g. nearest road, structure) _____			
<u>Presumed Regulatory Authority</u>			
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u>	<u>Observed Hydrology</u>	Width (ft.) across Existing Water <u>1.5</u>	
<input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>North</u> Average Depth <u>2</u>	Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ Present? <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>4</u> Width (ft.) across Ordinary High Water Mark* <u>2</u> <u>*Ordinary High Water Mark Indicators</u>	
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Water Quality</u> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____	
<u>Observed Use</u>			
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____			
<u>Bank Slope</u>		<u>Bank Height (ft.)</u>	<u>Bank Erosion Potential</u>
0 - 8% (0 - 5°) Nearly Level - Gently Sloping 8 - 15% (5 - 9°) Moderately Sloping 15 - 25% (9 - 14°) Steeply Sloping 25 - 35% (14 - 20°) Steep >35% (>20°) Very Steep		Left* <u>2</u> Right* <u>2</u> <u>* Direction when facing downstream</u>	Left* Right* Low _____ Moderate <u>X</u> <u>X</u> High _____
<u>Bank Substrate</u>		<u>Aquatic Habitat</u>	
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other <u>Boulders</u>		<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____	
Comments _____		<u>Estimated Canopy Closure</u>	
		<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%	



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/11/2020</u>	
Project Number _____		Evaluated By <u>Jake Brillo</u>	
Address _____			
USGS Quadrangle(s): _____			
Stream Delineation ID <u>S-JJB-6</u>		Stream Name _____	
Stream Location <u>East of Ketcham Rd and south of Route 11</u>			
(e.g. nearest road, structure) _____			
<u>Presumed Regulatory Authority</u>			
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u>	<u>Observed Hydrology</u>	<u>Width (ft.) across Existing Water</u> <u>1</u>	
<input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>North</u> Average Depth <u>1</u>	Flood Plain Present? <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>2</u> Width (ft.) across Ordinary High Water Mark* <u>1</u> <u>*Ordinary High Water Mark Indicators</u>	
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Water Quality</u> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____	
<u>Observed Use</u>		<u>Bank Height (ft.)</u>	
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		Left* <u>1</u> Right* <u>1</u> <u>* Direction when facing downstream</u>	
<u>Bank Slope</u>		<u>Bank Erosion Potential</u>	
0 - 8% (0 - 5°) Nearly Level - Gently Sloping <u>X</u> Left* Right* <u>X</u> 8 - 15% (5 - 9°) Moderately Sloping _____ 15 - 25% (9 - 14°) Steeply Sloping _____ 25 - 35% (14 - 20°) Steep _____ >35% (>20°) Very Steep _____		Left* Right* Low _____ Moderate <u>X</u> <u>X</u> High _____	
<u>Bank Substrate</u>		<u>Aquatic Habitat</u>	
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____		<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____	
		<u>Estimated Canopy Closure</u>	
		<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%	



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/11/2020</u>	
Project Number _____		Evaluated By <u>Jake Brillo</u>	
Address _____			
USGS Quadrangle(s): _____			
Stream Delineation ID <u>S-JJB-7</u>		Stream Name _____	
Stream Location <u>East of Ketcham Rd and south of Route 11</u>			
(e.g. nearest road, structure) _____			
<u>Presumed Regulatory Authority</u>			
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u>	<u>Observed Hydrology</u>	<u>Width (ft.) across Existing Water</u> <u>1</u>	
<input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>North</u> Average Depth <u>1</u>	Flood Plain Present? <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>3</u> Width (ft.) across Ordinary High Water Mark* <u>3</u> <u>*Ordinary High Water Mark Indicators</u>	
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep		
<u>Observed Use</u>		<u>Water Quality</u>	
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____	
<u>Bank Slope</u>	<u>Left*</u>	<u>Right*</u>	<u>Bank Erosion Potential</u>
0 - 8% (0 - 5°) Nearly Level - Gently Sloping			Left* Right*
8 - 15% (5 - 9°) Moderately Sloping			Low _____
15 - 25% (9 - 14°) Steeply Sloping	X		Moderate _____
25 - 35% (14 - 20°) Steep		X	High X X
>35% (>20°) Very Steep			
<u>Bank Substrate</u>		<u>Bank Height (ft.)</u>	<u>Bank Erosion Potential</u>
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____		Left* <u>4</u> Right* <u>3</u> <u>* Direction when facing downstream</u>	
<u>Aquatic Habitat</u>		<u>Estimated Canopy Closure</u>	
<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____		<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%	



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/11/2020</u>	
Project Number _____		Evaluated By <u>Jake Brillo</u>	
Address _____			
USGS Quadrangle(s): _____			
Stream Delineation ID <u>S-JJB-8</u>		Stream Name _____	
Stream Location <u>East of Ketcham Rd and south of Route 11</u>			
(e.g. nearest road, structure) _____			
<u>Presumed Regulatory Authority</u>			
<input type="checkbox"/> U.S. Army Corps		<input type="checkbox"/> State	
Rationale: _____			
<u>Stream Class</u>	<u>Observed Hydrology</u>	<u>Width (ft.) across Existing Water</u> <u>0</u>	
<input type="checkbox"/> Perennial	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate	Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____	
<input type="checkbox"/> Intermittent	Stage <input type="checkbox"/> High <input type="checkbox"/> Flood	Present? <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>1</u>	
<input type="checkbox"/> Ephemeral	Flow Direction <u>North</u>	Width (ft.) across Ordinary High Water Mark* <u>3</u>	
<input type="checkbox"/> Undetermined	Average Depth _____	<u>*Ordinary High Water Mark Indicators</u>	
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank	<input type="checkbox"/> Scour <input type="checkbox"/> Wrack
<input type="checkbox"/> Shale <input type="checkbox"/> Sand	<input type="checkbox"/> <2% (<1°) Gentle	<input type="checkbox"/> Matted, bent, or Absent Vegetation	<input type="checkbox"/> Water Staining
<input type="checkbox"/> Bedrock <input type="checkbox"/> Organic	<input type="checkbox"/> 2 - 4% (1 - 2°) Moderate	<input type="checkbox"/> Soil Character Change	<input type="checkbox"/> Shelving
<input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel	<input type="checkbox"/> 4 - 10% (2 - 6°) Steep	<input type="checkbox"/> Terrestrial Vegetation Destroyed	<input type="checkbox"/> Bed & Banks
<input type="checkbox"/> Silt <input type="checkbox"/> Clay	<input type="checkbox"/> >10% (>6°) Very Steep	<input type="checkbox"/> Disturbed/Washed-away Leaf Litter	<input type="checkbox"/> Litter & Debris
<input type="checkbox"/> Other _____		<input type="checkbox"/> Plant Community Change	<input type="checkbox"/> Sediment Sorting
<u>Observed Use</u>		<input type="checkbox"/> Multiple Observed Flow Events	<input type="checkbox"/> Deposition
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation	<input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture	<u>Water Quality</u>	
<input type="checkbox"/> Other _____		<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid	
<u>Bank Slope</u>		<u>Bank Height (ft.)</u>	
0 - 8% (0 - 5°) Nearly Level - Gently Sloping	Left* _____ Right* _____	Left* <u>2</u>	
8 - 15% (5 - 9°) Moderately Sloping	_____	Right* <u>2</u>	
15 - 25% (9 - 14°) Steeply Sloping	X _____ X _____	* Direction when facing downstream	
25 - 35% (14 - 20°) Steep	_____	<u>Bank Erosion Potential</u>	
>35% (>20°) Very Steep	_____	Left* _____ Right* _____	
<u>Bank Substrate</u>		Low _____	
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble	<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar	Moderate _____	
<input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic	<input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar	High X _____ X _____	
<input type="checkbox"/> Other _____	<input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool		
Comments _____	<input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools		
	<input type="checkbox"/> Other _____		
<u>Aquatic Habitat</u>		<u>Estimated Canopy Closure</u>	
<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar		<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60%	
<input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar		<input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70%	
<input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool		<input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80%	
<input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools		<input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90%	
<input type="checkbox"/> Other _____		<input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%	



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/15/2020</u>											
Project Number _____		Evaluated By <u>Jake Brillo</u>											
Address _____													
USGS Quadrangle(s): _____													
Stream Delineation ID <u>S-JJB-9</u>		Stream Name _____											
Stream Location <u>East of Ketcham Rd</u>													
(e.g. nearest road, structure)													
<u>Presumed Regulatory Authority</u>													
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____											
<u>Stream Class</u>	<u>Observed Hydrology</u>	<u>Width (ft.) across Existing Water 1</u>											
<input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>North</u> Average Depth <u>.5</u>	Flood Plain Present? <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>6</u> Width (ft.) across Ordinary High Water Mark* <u>4</u> <u>*Ordinary High Water Mark Indicators</u>											
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition											
<input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep												
<u>Observed Use</u>		<u>Water Quality</u>											
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____											
<u>Bank Slope</u>		<u>Bank Height (ft.)</u>	<u>Bank Erosion Potential</u>										
0 - 8% (0 - 5°) Nearly Level - Gently Sloping 8 - 15% (5 - 9°) Moderately Sloping 15 - 25% (9 - 14°) Steeply Sloping 25 - 35% (14 - 20°) Steep >35% (>20°) Very Steep		Left* <u>4</u> Right* <u>4</u> <u>* Direction when facing downstream</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> <tr> <td style="text-align: center;">Left*</td> <td style="text-align: center;">Right*</td> </tr> <tr> <td style="text-align: center;">Low</td> <td style="text-align: center;">_____</td> </tr> <tr> <td style="text-align: center;">Moderate</td> <td style="text-align: center;">_____</td> </tr> <tr> <td style="text-align: center;">High</td> <td style="text-align: center;">X</td> </tr> </table>			Left*	Right*	Low	_____	Moderate	_____	High	X
Left*	Right*												
Low	_____												
Moderate	_____												
High	X												
<u>Bank Substrate</u>		<u>Aquatic Habitat</u>	<u>Estimated Canopy Closure</u>										
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____		<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____	<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%										



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/15/2020</u>																			
Project Number _____		Evaluated By <u>Jake Brillo</u>																			
Address _____																					
USGS Quadrangle(s): _____																					
Stream Delineation ID <u>S-JJB-10</u>		Stream Name <u>Allen Brook</u>																			
Stream Location <u>East of Ketcham Rd</u>																					
(e.g. nearest road, structure) _____																					
<u>Presumed Regulatory Authority</u>																					
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: <u>DEC Class C(T)</u>																			
<u>Stream Class</u> <input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	<u>Observed Hydrology</u> Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>North</u> Average Depth <u>2</u>	Width (ft.) across Existing Water <u>4</u> Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ Present? <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>6</u> Width (ft.) across Ordinary High Water Mark* <u>5</u> <u>*Ordinary High Water Mark Indicators</u> <input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition																			
<u>Streambed Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____		<u>Channel Gradient</u> <input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep																			
<u>Observed Use</u> <input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		<u>Water Quality</u> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____																			
<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping 8 - 15% (5 - 9°) Moderately Sloping 15 - 25% (9 - 14°) Steeply Sloping 25 - 35% (14 - 20°) Steep >35% (>20°) Very Steep		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">Left*</th> <th style="width:50%;">Right*</th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td style="text-align:center;">X</td> <td style="text-align:center;">X</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	Left*	Right*			X	X							<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align:center;">Bank Height (ft.)</th> </tr> <tr> <td style="width:50%;">Left* <u>1</u></td> <td style="width:50%;">Right* <u>1</u></td> </tr> <tr> <td colspan="2" style="text-align:center;">* Direction when facing downstream</td> </tr> </table>	Bank Height (ft.)		Left* <u>1</u>	Right* <u>1</u>	* Direction when facing downstream	
Left*	Right*																				
X	X																				
Bank Height (ft.)																					
Left* <u>1</u>	Right* <u>1</u>																				
* Direction when facing downstream																					
<u>Bank Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____		<u>Aquatic Habitat</u> <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____	<u>Estimated Canopy Closure</u> <input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%																		



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/16/2020</u>	
Project Number _____		Evaluated By <u>Jake Brillo</u>	
Address _____			
USGS Quadrangle(s): _____			
Stream Delineation ID <u>S-JJB-11</u>		Stream Name _____	
Stream Location <u>East of Ketcham Rd</u>			
(e.g. nearest road, structure) _____			
<u>Presumed Regulatory Authority</u>			
<input type="checkbox"/> U.S. Army Corps		<input type="checkbox"/> State	
Rationale: _____			
<u>Stream Class</u>	<u>Observed Hydrology</u>	<u>Width (ft.) across Existing Water</u> <u>3</u>	
<input type="checkbox"/> Perennial	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate	Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____	
<input type="checkbox"/> Intermittent	Stage <input type="checkbox"/> High <input type="checkbox"/> Flood	Present? <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>5</u>	
<input type="checkbox"/> Ephemeral	Flow Direction <u>North</u>	<u>Width (ft.) across Ordinary High Water Mark* 4</u>	
<input type="checkbox"/> Undetermined	Average Depth <u>.5</u>	<u>*Ordinary High Water Mark Indicators</u>	
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank	<input type="checkbox"/> Scour <input type="checkbox"/> Wrack
<input type="checkbox"/> Shale <input type="checkbox"/> Sand	<input type="checkbox"/> <2% (<1°) Gentle	<input type="checkbox"/> Matted, bent, or Absent Vegetation	<input type="checkbox"/> Water Staining
<input type="checkbox"/> Bedrock <input type="checkbox"/> Organic	<input type="checkbox"/> 2 - 4% (1 - 2°) Moderate	<input type="checkbox"/> Soil Character Change	<input type="checkbox"/> Shelving
<input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel	<input type="checkbox"/> 4 - 10% (2 - 6°) Steep	<input type="checkbox"/> Terrestrial Vegetation Destroyed	<input type="checkbox"/> Bed & Banks
<input type="checkbox"/> Silt <input type="checkbox"/> Clay	<input type="checkbox"/> >10% (>6°) Very Steep	<input type="checkbox"/> Disturbed/Washed-away Leaf Litter	<input type="checkbox"/> Litter & Debris
<input type="checkbox"/> Other _____		<input type="checkbox"/> Plant Community Change	<input type="checkbox"/> Sediment Sorting
<u>Observed Use</u>		<input type="checkbox"/> Multiple Observed Flow Events	<input type="checkbox"/> Deposition
<input type="checkbox"/> Boating	<input type="checkbox"/> Shellfishing	<u>Water Quality</u>	
<input type="checkbox"/> Swimming	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Clear	<input type="checkbox"/> Turbid
<input type="checkbox"/> Fishing	<input type="checkbox"/> Drainage	<input type="checkbox"/> Slightly Turbid	<input type="checkbox"/> Very Turbid
<input type="checkbox"/> Drinking	<input type="checkbox"/> Aquaculture	Comments _____	
<input type="checkbox"/> Other _____			
<u>Bank Slope</u>	<u>Left*</u>	<u>Right*</u>	<u>Bank Erosion Potential</u>
0 - 8% (0 - 5°) Nearly Level - Gently Sloping			Left* Right*
8 - 15% (5 - 9°) Moderately Sloping	X	X	Low X
15 - 25% (9 - 14°) Steeply Sloping			Moderate
25 - 35% (14 - 20°) Steep			High
>35% (>20°) Very Steep			
		<u>Bank Height (ft.)</u>	
		Left* <u>2</u>	
		Right* <u>2</u>	
		<i>* Direction when facing downstream</i>	
<u>Bank Substrate</u>	<u>Aquatic Habitat</u>		<u>Estimated Canopy Closure</u>
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble	<input type="checkbox"/> Aquatic Vegetation	<input type="checkbox"/> Mud Bar	<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60%
<input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic	<input type="checkbox"/> Overhanging Vegetation	<input type="checkbox"/> Sand Bar	<input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70%
<input type="checkbox"/> Other _____	<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Riffle - Pool	<input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80%
Comments _____	<input type="checkbox"/> Gravel Bar	<input type="checkbox"/> Plunge Pools	<input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90%
	<input type="checkbox"/> Other _____		<input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/16/2020</u>	
Project Number <u>373210.0000.0000</u>		Evaluated By <u>Jacob Brillo</u>	
Address <u>5738 US-11 Chateaugay NY 12920</u>			
USGS Quadrangle(s): <u>Chateaugay, Burke</u>			
Stream Delineation ID <u>S-JJB-14</u>		Stream Name _____	
Stream Location <u>Southeastern region of project area</u>			
(e.g. nearest road, structure)			
<u>Stream Classification</u>		<u>Flow</u>	
<input checked="" type="checkbox"/> Perennial		<u>Direction</u> <u>North</u>	
<input type="checkbox"/> Intermittent		<input type="checkbox"/> Dry <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate	
<input type="checkbox"/> Ephemeral		<input type="checkbox"/> High <input type="checkbox"/> Flooding	
<u>Presumed Regulatory Authority</u>			
<input type="checkbox"/> U.S. Army Corps			
<input type="checkbox"/> State			
<u>Streambed Substrate</u>		<u>Channel Gradient</u>	
Shale <input type="checkbox"/> Sand <input checked="" type="checkbox"/>		<input type="checkbox"/> <2% (<1°) Gentle	
Bedrock <input type="checkbox"/> Silt/Clay <input type="checkbox"/>		<input type="checkbox"/> 2 - 4% (1 - 2°) Moderate	
Boulders <input type="checkbox"/> Organic <input type="checkbox"/>		<input type="checkbox"/> 4 - 10% (2 - 6°) Steep	
<input checked="" type="checkbox"/> Cobble/Gravel		<input type="checkbox"/> >10% (>6°) Very Steep	
Other _____			
<u>Width Measurements (feet)</u>		<u>Water Quality</u>	
Ordinary High Water Mark <u>5</u>		<input checked="" type="checkbox"/> Clear	
Across Existing Water <u>5</u>		<input type="checkbox"/> Slightly Turbid	
<u>Flood Plain Present?</u>		<input type="checkbox"/> Turbid	
Yes, Measure Bankfull Width _____		<input type="checkbox"/> Very Turbid	
No, Measure Top of Bank Width <input checked="" type="checkbox"/>			
<u>Probed Stream Depth</u>		<u>Observed Use</u>	
<input checked="" type="checkbox"/> 0 - 6 in.		<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing	
<input type="checkbox"/> 6 - 12 in.		<input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation	
<input type="checkbox"/> 12 - 24 in.		<input type="checkbox"/> Fishing <input type="checkbox"/> Drainage	
<input type="checkbox"/> 24 - 36 in.		<input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture	
<input type="checkbox"/> >36 in.		<input type="checkbox"/> Other _____	
<u>Bank Height (feet)</u>		<u>Bank Slope</u>	
Left* <u>1</u>		Nearly Level to Gently Sloping	
Right* <u>2</u>		8 - 15% (5 - 9°) Moderately Sloping	
		15 - 25% (9 - 14°) Steeply Sloping	
		25 - 35% (14 - 20°) Steep	
		>35% (>20°) Very Steep	
		* Direction when facing downstream	
		<u>Bank Erosion Potential</u>	
		Left* Right*	
		Low <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
		Moderate _____	
		High _____	
<u>Bank Substrate</u>		<u>Aquatic Habitat</u>	
Shale _____ Gravel _____		Aquatic Vegetation _____ Mud Bar _____	
Bedrock _____ Sand _____		<input checked="" type="checkbox"/> Overhanging Vegetation _____ Sand Bar _____	
Cobble _____ Organic _____		Undercut Banks _____ Riffle - Pool _____	
<input checked="" type="checkbox"/> Silt/Clay _____ Riprap _____		Gravel Bar _____ Plunge Pools _____	
Other _____		Other (None) _____	
		<u>Estimated Canopy Closure</u>	
		0 - 10% _____ 50 - 60% _____	
		10 - 20% _____ 60 - 70% _____	
		20 - 30% _____ 70 - 80% _____	
		30 - 40% _____ 80 - 90% _____	
		<input checked="" type="checkbox"/> 40 - 50% _____ 90 - 100% _____	



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/8/2020</u>	
Project Number _____		Evaluated By <u>Clark Rein</u>	
Address _____			
USGS Quadrangle(s): _____			
Stream Delineation ID <u>S-WCR-1</u>		Stream Name _____	
Stream Location <u>North of Stuart Rd</u>			
(e.g. nearest road, structure) _____			
<u>Presumed Regulatory Authority</u>			
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u> <input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	<u>Observed Hydrology</u> Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>West</u> Average Depth <u>0</u>	Width (ft.) across Existing Water <u>0</u> Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ Present? <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>3</u> Width (ft.) across Ordinary High Water Mark* <u>1</u> <u>*Ordinary High Water Mark Indicators</u> <input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<u>Streambed Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____		<u>Channel Gradient</u> <input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	
<u>Observed Use</u> <input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		<u>Water Quality</u> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____	
<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping <input checked="" type="checkbox"/> Left* Right* 8 - 15% (5 - 9°) Moderately Sloping _____ 15 - 25% (9 - 14°) Steeply Sloping _____ 25 - 35% (14 - 20°) Steep _____ >35% (>20°) Very Steep _____		<u>Bank Height (ft.)</u> Left* <u>1</u> Right* <u>1</u> <u>* Direction when facing downstream</u>	
<u>Bank Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____		<u>Bank Erosion Potential</u> Left* Right* Low <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Moderate _____ High _____	
<u>Aquatic Habitat</u> <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____		<u>Estimated Canopy Closure</u> <input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%	



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/12/2020</u>	
Project Number <u>373210.0000.0000</u>		Evaluated By <u>Ben Popham</u>	
Address <u>Burke, NY 12917</u>			
USGS Quadrangle(s): <u>Burke, Chateaugay</u>			
Stream Delineation ID <u>S-BBP-01</u>		Stream Name _____	
Stream Location _____			
(e.g. nearest road, structure)			
<u>Stream Classification</u>		<u>Flow</u>	
<input type="checkbox"/> Perennial <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral		Direction <u>North</u> <input type="checkbox"/> Dry <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> Flooding	
<u>Presumed Regulatory Authority</u>			
<input checked="" type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State			
<u>Streambed Substrate</u>		<u>Channel Gradient</u>	
<input type="checkbox"/> Shale <input checked="" type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Boulders <input type="checkbox"/> Organic <input checked="" type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Other		<input type="checkbox"/> <2% (<1°) Gentle <input checked="" type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	
<u>Width Measurements (feet)</u>			
Ordinary High Water Mark <u>3</u>			
Across Existing Water <u>4</u>			
<u>Flood Plain Present?</u>			
Yes, Measure Bankfull Width <u>5</u>			
No, Measure Top of Bank Width _____			
<u>Probed Stream Depth</u>		<u>Observed Use</u>	
<input checked="" type="checkbox"/> 0 - 6 in. <input type="checkbox"/> 6 - 12 in. <input type="checkbox"/> 12 - 24 in. <input type="checkbox"/> 24 - 36 in. <input type="checkbox"/> >36 in.		<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other	
<u>Water Quality</u>			
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid			
<u>Bank Height (feet)</u>		<u>Bank Slope</u>	
Left* <u>2</u> Right* <u>2</u> <i>* Direction when facing downstream</i>		Nearly Level to Gently Sloping 0 - 8% (0 - 5°) <input type="checkbox"/> Left* <input type="checkbox"/> Right* Moderately Sloping 8 - 15% (5 - 9°) <input checked="" type="checkbox"/> Left* <input checked="" type="checkbox"/> Right* Steeply Sloping 15 - 25% (9 - 14°) Steep 25 - 35% (14 - 20°) Very Steep >35% (>20°)	
<u>Bank Erosion Potential</u>			
Left* Right* Low <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Moderate High			
<u>Bank Substrate</u>		<u>Aquatic Habitat</u>	
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Cobble <input checked="" type="checkbox"/> Organic <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Riprap <input type="checkbox"/> Other		<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input checked="" type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other (None)	
<u>Estimated Canopy Closure</u>			
<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input checked="" type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%			



Stream Inventory Data Form

Stream Delineation ID: _____

<u>Adjacent Community Type</u>	Forested uplands, successional northern hardwoods			
<u>Percent Cover</u>	<u>Dominant Species</u>			
Trees 50	Speckled alder (<i>Alnus incana</i>)			
Shrubs 20	American cow-parsnip (<i>Heracleum maximum</i>)			
Herbaceous 60	Sensitive fern (<i>Onoclea sensibilis</i>)			
Woody Vines 15	Northern blackberry (<i>Rubus arcticus</i>)			
Bare Soil/Rock _____	<i>Type</i> _____			
Impervious _____	<i>Type</i> _____			
<u>Observed Fauna</u>				
<u>Waterfowl</u> _____	<u>Fish</u> _____	<u>Salamanders</u> _____	<u>Mink</u> _____	<u>Other</u> _____
<u>Snakes</u> _____	<u>Frogs</u> _____	<u>Beaver</u> _____	<u>Otter</u> _____	_____
<u>Turtles</u> _____	<u>Toads</u> _____	<u>Muskrat</u> _____	<u>Invertebrates</u> _____	_____
<u>Presence of Rare, Threatened, or Endangered Species</u>				
<u>No</u> _____	<u>Yes</u> _____	<u>Species & Evidence</u> _____		
<u>Undetermined</u> _____	_____			
<u>Notes (include weather, site access issues, culverts, etc.)</u>				

Sketch										
---------------	--	--	--	--	--	--	--	--	--	--



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/11/2020</u>	
Project Number <u>373210.0000.0000</u>		Evaluated By <u>Jacob Brillo</u>	
Address <u>Chateaugay, NY 12920</u>			
USGS Quadrangle(s): <u>Chateaugay, Burke</u>			
Stream Delineation ID <u>S-WCR-2</u>		Stream Name _____	
Stream Location _____ (e.g. nearest road, structure)			
<u>Stream Classification</u>		<u>Flow</u>	
<input type="checkbox"/> Perennial <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral		Direction <u>Northwest</u> <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> Flooding	
<u>Presumed Regulatory Authority</u>			
<input checked="" type="checkbox"/> U.S. Army Corps <input checked="" type="checkbox"/> State			
<u>Streambed Substrate</u>		<u>Channel Gradient</u>	
<input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Boulders <input type="checkbox"/> Organic <input checked="" type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Other _____		<input type="checkbox"/> <2% (<1°) Gentle <input checked="" type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	
<u>Width Measurements (feet)</u>			
Ordinary High Water Mark <u>4</u> Across Existing Water <u>3</u> Flood Plain Present? Yes, Measure Bankfull Width _____ No, Measure Top of Bank Width <u>6</u>			
<u>Probed Stream Depth</u>		<u>Observed Use</u>	
<input checked="" type="checkbox"/> 0 - 6 in. <input type="checkbox"/> 6 - 12 in. <input type="checkbox"/> 12 - 24 in. <input type="checkbox"/> 24 - 36 in. <input type="checkbox"/> >36 in.		<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____	
<u>Water Quality</u>			
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid			
<u>Bank Height (feet)</u>		<u>Bank Slope</u>	
Left* <u>2</u> Right* <u>2</u> * Direction when facing downstream		Left* Right* 0 - 8% (0 - 5°) Nearly Level to Gently Sloping 8 - 15% (5 - 9°) Moderately Sloping <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 15 - 25% (9 - 14°) Steeply Sloping 25 - 35% (14 - 20°) Steep >35% (>20°) Very Steep	
<u>Bank Erosion Potential</u>			
Left* Right* Low Moderate <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> High			
<u>Bank Substrate</u>		<u>Aquatic Habitat</u>	
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Cobble <input type="checkbox"/> Organic <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Riprap <input type="checkbox"/> Other _____		<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other (None)	
<u>Estimated Canopy Closure</u>			
<input checked="" type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%			



Stream Inventory Data Form

Stream Delineation ID: _____

<u>Adjacent Community Type</u>	Terrestrial cultural, cropland/field crops				
<u>Percent Cover</u>	<u>Dominant Species</u>				
Trees _____	_____				
Shrubs _____	_____				
Herbaceous _____	_____				
Woody Vines _____	_____				
Bare Soil/Rock _____	<i>Type</i> _____				
Impervious _____	<i>Type</i> _____				
<u>Observed Fauna</u>					
_____ <u>Waterfowl</u>	_____ <u>Fish</u>	_____ <u>Salamanders</u>	_____ <u>Mink</u>	_____ <u>Other</u>	
_____ <u>Snakes</u>	_____ <u>Frogs</u>	_____ <u>Beaver</u>	_____ <u>Otter</u>	_____	
_____ <u>Turtles</u>	_____ <u>Toads</u>	_____ <u>Muskrat</u>	_____ <u>Invertebrates</u>	_____	
<u>Presence of Rare, Threatened, or Endangered Species</u>					
_____ <u>No</u>	_____ <u>Yes</u>	<u>Species & Evidence</u> _____			
_____ <u>Undetermined</u>	_____				
<u>Notes (include weather, site access issues, culverts, etc.)</u>					
Are around stream was recently clear cut, extended by JJB, int trib and wetland.					

<u>Sketch</u>										
---------------	--	--	--	--	--	--	--	--	--	--



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/10/2020</u>																			
Project Number _____		Evaluated By <u>Clark Rein</u>																			
Address _____																					
USGS Quadrangle(s): _____																					
Stream Delineation ID <u>S-WCR-4</u>		Stream Name _____																			
Stream Location <u>East of Lewis Rd</u>																					
(e.g. nearest road, structure) _____																					
<u>Presumed Regulatory Authority</u>																					
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____																			
<u>Stream Class</u>	<u>Observed Hydrology</u>	<u>Width (ft.) across Existing Water</u> <u>0</u>																			
<input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>Northwest</u> Average Depth <u>0</u>	Flood Plain Present? <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>3</u> Width (ft.) across Ordinary High Water Mark* <u>1</u> <u>*Ordinary High Water Mark Indicators</u>																			
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition																			
<input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Water Quality</u> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____																			
<u>Observed Use</u>		<u>Bank Slope</u>																			
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align:center">Left*</td> <td style="text-align:center">Right*</td> </tr> <tr> <td>0 - 8% (0 - 5°) Nearly Level - Gently Sloping</td> <td style="text-align:center">X</td> <td style="text-align:center">X</td> </tr> <tr> <td>8 - 15% (5 - 9°) Moderately Sloping</td> <td></td> <td></td> </tr> <tr> <td>15 - 25% (9 - 14°) Steeply Sloping</td> <td></td> <td></td> </tr> <tr> <td>25 - 35% (14 - 20°) Steep</td> <td></td> <td></td> </tr> <tr> <td>>35% (>20°) Very Steep</td> <td></td> <td></td> </tr> </table>			Left*	Right*	0 - 8% (0 - 5°) Nearly Level - Gently Sloping	X	X	8 - 15% (5 - 9°) Moderately Sloping			15 - 25% (9 - 14°) Steeply Sloping			25 - 35% (14 - 20°) Steep			>35% (>20°) Very Steep		
	Left*	Right*																			
0 - 8% (0 - 5°) Nearly Level - Gently Sloping	X	X																			
8 - 15% (5 - 9°) Moderately Sloping																					
15 - 25% (9 - 14°) Steeply Sloping																					
25 - 35% (14 - 20°) Steep																					
>35% (>20°) Very Steep																					
		<u>Bank Height (ft.)</u>	<u>Bank Erosion Potential</u>																		
		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align:center">Left*</td> <td style="text-align:center">Right*</td> </tr> <tr> <td></td> <td style="text-align:center">1</td> <td style="text-align:center">1</td> </tr> </table> * Direction when facing downstream		Left*	Right*		1	1	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align:center">Left*</td> <td style="text-align:center">Right*</td> </tr> <tr> <td>Low</td> <td style="text-align:center">X</td> <td style="text-align:center">X</td> </tr> <tr> <td>Moderate</td> <td></td> <td></td> </tr> <tr> <td>High</td> <td></td> <td></td> </tr> </table>		Left*	Right*	Low	X	X	Moderate			High		
	Left*	Right*																			
	1	1																			
	Left*	Right*																			
Low	X	X																			
Moderate																					
High																					
<u>Bank Substrate</u>	<u>Aquatic Habitat</u>		<u>Estimated Canopy Closure</u>																		
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____	<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____		<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%																		



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/11/2020</u>	
Project Number _____		Evaluated By <u>Clark Rein</u>	
Address _____			
USGS Quadrangle(s): _____			
Stream Delineation ID <u>S-WCR-6</u>		Stream Name _____	
Stream Location <u>East of Lewis Rd</u>			
(e.g. nearest road, structure) _____			
<u>Presumed Regulatory Authority</u>			
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u>	<u>Observed Hydrology</u>	<u>Width (ft.) across Existing Water</u> <u>0</u>	
<input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>North</u> Average Depth <u>0</u>	Flood Plain Present? <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>7</u> Width (ft.) across Ordinary High Water Mark* <u>4</u> <u>*Ordinary High Water Mark Indicators</u>	
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Water Quality</u> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____	
<u>Observed Use</u>		<u>Bank Height (ft.)</u>	
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		Left* <u>2</u> Right* <u>2</u> <u>* Direction when facing downstream</u>	
<u>Bank Slope</u>		<u>Bank Erosion Potential</u>	
0 - 8% (0 - 5°) Nearly Level - Gently Sloping <u>X</u> Left* Right* <u>X</u> 8 - 15% (5 - 9°) Moderately Sloping _____ 15 - 25% (9 - 14°) Steeply Sloping _____ 25 - 35% (14 - 20°) Steep _____ >35% (>20°) Very Steep _____		Left* Right* Low <u>X</u> <u>X</u> Moderate _____ High _____	
<u>Bank Substrate</u>		<u>Aquatic Habitat</u>	
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____		<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____	
		<u>Estimated Canopy Closure</u>	
		<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%	



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/12/2020</u>											
Project Number _____		Evaluated By <u>Clark Rein</u>											
Address _____													
USGS Quadrangle(s): _____													
Stream Delineation ID <u>S-WCR-7</u>		Stream Name _____											
Stream Location _____													
(e.g. nearest road, structure) _____													
<u>Presumed Regulatory Authority</u>													
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____											
<u>Stream Class</u>	<u>Observed Hydrology</u>	<u>Width (ft.) across Existing Water</u> <u>1</u>											
<input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>North</u> Average Depth <u>.5</u>	Flood Plain Present? <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>5</u> Width (ft.) across Ordinary High Water Mark* <u>3</u> <u>*Ordinary High Water Mark Indicators</u>											
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition											
<input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Water Quality</u> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____											
<u>Observed Use</u>		<u>Bank Height (ft.)</u>											
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		Left* <u>3.5</u> Right* <u>5</u> <u>* Direction when facing downstream</u>											
<u>Bank Slope</u>		<u>Bank Erosion Potential</u>											
0 - 8% (0 - 5°) Nearly Level - Gently Sloping 8 - 15% (5 - 9°) Moderately Sloping 15 - 25% (9 - 14°) Steeply Sloping 25 - 35% (14 - 20°) Steep >35% (>20°) Very Steep		<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"></td> <td style="width:50%; text-align: center;">Left* Right*</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">Low</td> <td style="text-align: center;">Moderate</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">High</td> <td style="text-align: center;"></td> </tr> </table>			Left* Right*	X	X	Low	Moderate	X	X	High	
	Left* Right*												
X	X												
Low	Moderate												
X	X												
High													
<u>Bank Substrate</u>	<u>Aquatic Habitat</u>		<u>Estimated Canopy Closure</u>										
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____	<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____		<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%										



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/12/2020</u>																			
Project Number _____		Evaluated By <u>Clark Rein</u>																			
Address _____																					
USGS Quadrangle(s): _____																					
Stream Delineation ID <u>S-WCR-8</u>		Stream Name _____																			
Stream Location _____																					
(e.g. nearest road, structure) _____																					
<u>Presumed Regulatory Authority</u>																					
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____																			
<u>Stream Class</u>	<u>Observed Hydrology</u>	Width (ft.) across Existing Water <u>0</u>																			
<input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>North</u> Average Depth <u>0</u>	Flood Plain Present? <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>8</u> Width (ft.) across Ordinary High Water Mark* <u>3</u> <u>*Ordinary High Water Mark Indicators</u>																			
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition																			
<input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Water Quality</u> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____																			
<u>Observed Use</u>		<u>Bank Slope</u>																			
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align:center">Left*</td> <td style="text-align:center">Right*</td> </tr> <tr> <td>0 - 8% (0 - 5°) Nearly Level - Gently Sloping</td> <td style="text-align:center">_____</td> <td style="text-align:center">_____</td> </tr> <tr> <td>8 - 15% (5 - 9°) Moderately Sloping</td> <td style="text-align:center">_____</td> <td style="text-align:center">_____</td> </tr> <tr> <td>15 - 25% (9 - 14°) Steeply Sloping</td> <td style="text-align:center">_____</td> <td style="text-align:center">_____</td> </tr> <tr> <td>25 - 35% (14 - 20°) Steep</td> <td style="text-align:center">X</td> <td style="text-align:center">X</td> </tr> <tr> <td>>35% (>20°) Very Steep</td> <td style="text-align:center">_____</td> <td style="text-align:center">_____</td> </tr> </table>			Left*	Right*	0 - 8% (0 - 5°) Nearly Level - Gently Sloping	_____	_____	8 - 15% (5 - 9°) Moderately Sloping	_____	_____	15 - 25% (9 - 14°) Steeply Sloping	_____	_____	25 - 35% (14 - 20°) Steep	X	X	>35% (>20°) Very Steep	_____	_____
	Left*	Right*																			
0 - 8% (0 - 5°) Nearly Level - Gently Sloping	_____	_____																			
8 - 15% (5 - 9°) Moderately Sloping	_____	_____																			
15 - 25% (9 - 14°) Steeply Sloping	_____	_____																			
25 - 35% (14 - 20°) Steep	X	X																			
>35% (>20°) Very Steep	_____	_____																			
		<u>Bank Height (ft.)</u>	<u>Bank Erosion Potential</u>																		
		Left* <u>1.5</u> Right* <u>1.5</u> <u>* Direction when facing downstream</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align:center">Left*</td> <td style="text-align:center">Right*</td> </tr> <tr> <td>Low</td> <td style="text-align:center">_____</td> <td style="text-align:center">_____</td> </tr> <tr> <td>Moderate</td> <td style="text-align:center">X</td> <td style="text-align:center">X</td> </tr> <tr> <td>High</td> <td style="text-align:center">_____</td> <td style="text-align:center">_____</td> </tr> </table>		Left*	Right*	Low	_____	_____	Moderate	X	X	High	_____	_____						
	Left*	Right*																			
Low	_____	_____																			
Moderate	X	X																			
High	_____	_____																			
<u>Bank Substrate</u>	<u>Aquatic Habitat</u>		<u>Estimated Canopy Closure</u>																		
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____	<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____		<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%																		



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/12/2020</u>													
Project Number _____		Evaluated By <u>Clark Rein</u>													
Address _____															
USGS Quadrangle(s): _____															
Stream Delineation ID <u>S-WCR-9</u>		Stream Name _____													
Stream Location _____															
(e.g. nearest road, structure) _____															
<u>Presumed Regulatory Authority</u>															
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____													
<u>Stream Class</u>	<u>Observed Hydrology</u>	<u>Width (ft.) across Existing Water</u> <u>1</u>													
<input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>North</u> Average Depth <u>1</u>	Flood Plain Present? <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>4</u> Width (ft.) across Ordinary High Water Mark* <u>2</u> <u>*Ordinary High Water Mark Indicators</u>													
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition													
<input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Water Quality</u> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____													
<u>Observed Use</u>		<u>Bank Height (ft.)</u>													
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		Left* <u>2</u> Right* <u>2</u> <u>* Direction when facing downstream</u>													
<u>Bank Slope</u>		<u>Bank Erosion Potential</u>													
0 - 8% (0 - 5°) Nearly Level - Gently Sloping 8 - 15% (5 - 9°) Moderately Sloping 15 - 25% (9 - 14°) Steeply Sloping 25 - 35% (14 - 20°) Steep >35% (>20°) Very Steep		<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"></td> <td style="width:50%; text-align: center;">Left* Right*</td> </tr> <tr> <td style="text-align: center;">0 - 8% (0 - 5°) Nearly Level - Gently Sloping</td> <td style="text-align: center;">_____</td> </tr> <tr> <td style="text-align: center;">8 - 15% (5 - 9°) Moderately Sloping</td> <td style="text-align: center;">X X</td> </tr> <tr> <td style="text-align: center;">15 - 25% (9 - 14°) Steeply Sloping</td> <td style="text-align: center;">_____</td> </tr> <tr> <td style="text-align: center;">25 - 35% (14 - 20°) Steep</td> <td style="text-align: center;">_____</td> </tr> <tr> <td style="text-align: center;">>35% (>20°) Very Steep</td> <td style="text-align: center;">_____</td> </tr> </table>			Left* Right*	0 - 8% (0 - 5°) Nearly Level - Gently Sloping	_____	8 - 15% (5 - 9°) Moderately Sloping	X X	15 - 25% (9 - 14°) Steeply Sloping	_____	25 - 35% (14 - 20°) Steep	_____	>35% (>20°) Very Steep	_____
	Left* Right*														
0 - 8% (0 - 5°) Nearly Level - Gently Sloping	_____														
8 - 15% (5 - 9°) Moderately Sloping	X X														
15 - 25% (9 - 14°) Steeply Sloping	_____														
25 - 35% (14 - 20°) Steep	_____														
>35% (>20°) Very Steep	_____														
<u>Bank Substrate</u>		<u>Aquatic Habitat</u>													
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____		<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____													
<u>Estimated Canopy Closure</u>															
<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%															



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>6/12/2020</u>													
Project Number _____		Evaluated By <u>Clark Rein</u>													
Address _____															
USGS Quadrangle(s): _____															
Stream Delineation ID <u>S-WCR-10</u>		Stream Name _____													
Stream Location _____															
(e.g. nearest road, structure) _____															
<u>Presumed Regulatory Authority</u>															
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____													
<u>Stream Class</u>	<u>Observed Hydrology</u>	Width (ft.) across Existing Water <u>2.5</u>													
<input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>North</u> Average Depth <u>6</u>	Flood Plain Present? <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>6</u> Width (ft.) across Ordinary High Water Mark* <u>4</u> <u>*Ordinary High Water Mark Indicators</u>													
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition													
<input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<input type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Water Quality</u> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____													
<u>Observed Use</u>															
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____															
<u>Bank Slope</u>		<u>Bank Height (ft.)</u>	<u>Bank Erosion Potential</u>												
0 - 8% (0 - 5°) Nearly Level - Gently Sloping 8 - 15% (5 - 9°) Moderately Sloping 15 - 25% (9 - 14°) Steeply Sloping 25 - 35% (14 - 20°) Steep >35% (>20°) Very Steep		Left* <u>2</u> Right* <u>3</u> <u>* Direction when facing downstream</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align:center;">Left*</td> <td style="text-align:center;">Right*</td> </tr> <tr> <td style="text-align:center;">Low</td> <td style="text-align:center;">X</td> <td style="text-align:center;">X</td> </tr> <tr> <td style="text-align:center;">Moderate</td> <td></td> <td></td> </tr> <tr> <td style="text-align:center;">High</td> <td></td> <td></td> </tr> </table>		Left*	Right*	Low	X	X	Moderate			High		
	Left*	Right*													
Low	X	X													
Moderate															
High															
<u>Bank Substrate</u>		<u>Aquatic Habitat</u>	<u>Estimated Canopy Closure</u>												
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____		<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____	<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%												



Stream Inventory Data Form

Stream Delineation ID: _____

<u>Adjacent Community Type</u>	Forested uplands, successional northern hardwoods				
<u>Percent Cover</u>	<u>Dominant Species</u>				
Trees	50	Speckled alder (<i>Alnus incana</i>)			
Shrubs	20	American cow-parsnip (<i>Heracleum maximum</i>)			
Herbaceous	60	Sensitive fern (<i>Onoclea sensibilis</i>)			
Woody Vines	15	Northern blackberry (<i>Rubus arcticus</i>)			
Bare Soil/Rock		<i>Type</i> _____			
Impervious		<i>Type</i> _____			
<u>Observed Fauna</u>					
Waterfowl	Fish	Salamanders	Mink	Other	
Snakes	<input checked="" type="checkbox"/> Frogs	Beaver	Otter		
Turtles	Toads	Muskrat	Invertebrates		
<u>Presence of Rare, Threatened, or Endangered Species</u>					
<input type="checkbox"/> No	<input type="checkbox"/> Yes	<i>Species & Evidence</i> _____			
<input type="checkbox"/> Undetermined					
<u>Notes (include weather, site access issues, culverts, etc.)</u>					

Sketch	
--------	--



**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-01**

CLIENT: GERONIMO

Project Name: Brookside

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-01	Classification	Intermittent
Stream Name		Date	2020-12-14 12:51:52
Address	Burke NY 12917 US,		
Location Description			
Evaluator(s)	Nick DeJohn		
Latitude, Longitude (WGS84)	44.93636861447705, -74.1320452653562		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	NE
Average Depth	2	Perceptible Flow	No
Channel Substrate	Silt/Clay, Cobble/Gravel	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	40 to 50%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth		Existing Water Width (ft)	2
Top of Bank (ft)	5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	Slightly Turbid
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Undercut Banks, Overhanging Vegetation		
Observed Use	Drinking		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	High
RIGHT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES: Cottonwoods and maple



STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:

