

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**

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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 | • Mowed lawn |
| • Common reed marsh | • Mowed roadside/pathway |
| • Cropland/field crops | • Pastureland |
| • Cropland/row crops | • Red maple-hardwood swamp |
| • Deep emergent marsh | • Rocky headwater stream |
| • Ditch/artificial intermittent stream | • Shallow emergent marsh |
| • Farm pond/artificial pond | • Shrub swamp |
| • Hemlock-hardwood swamp | • Spring |
| • Hemlock-northern hardwood forest | • Successional northern hardwoods |
| • Intermittent stream | • Successional old field |
| • Maple-basswood rich mesic forest | • 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
¹ 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. 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	Moirs stony loam, 0 to 3 percent slopes	0-3	Moderately well drained	0	11.8	0.8
Meb	Moirs stony loam, 3 to 8 percent slopes	3-8	Moderately well drained	0	193.7	13.2
Mec	Moirs 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

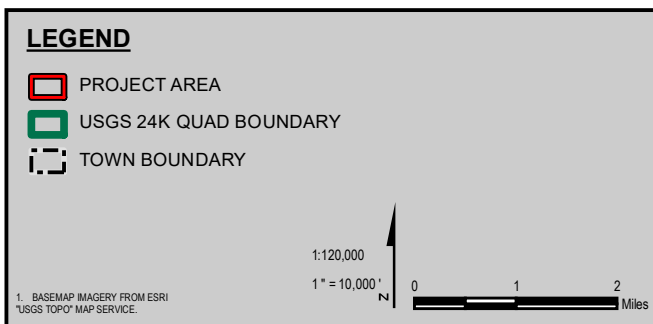
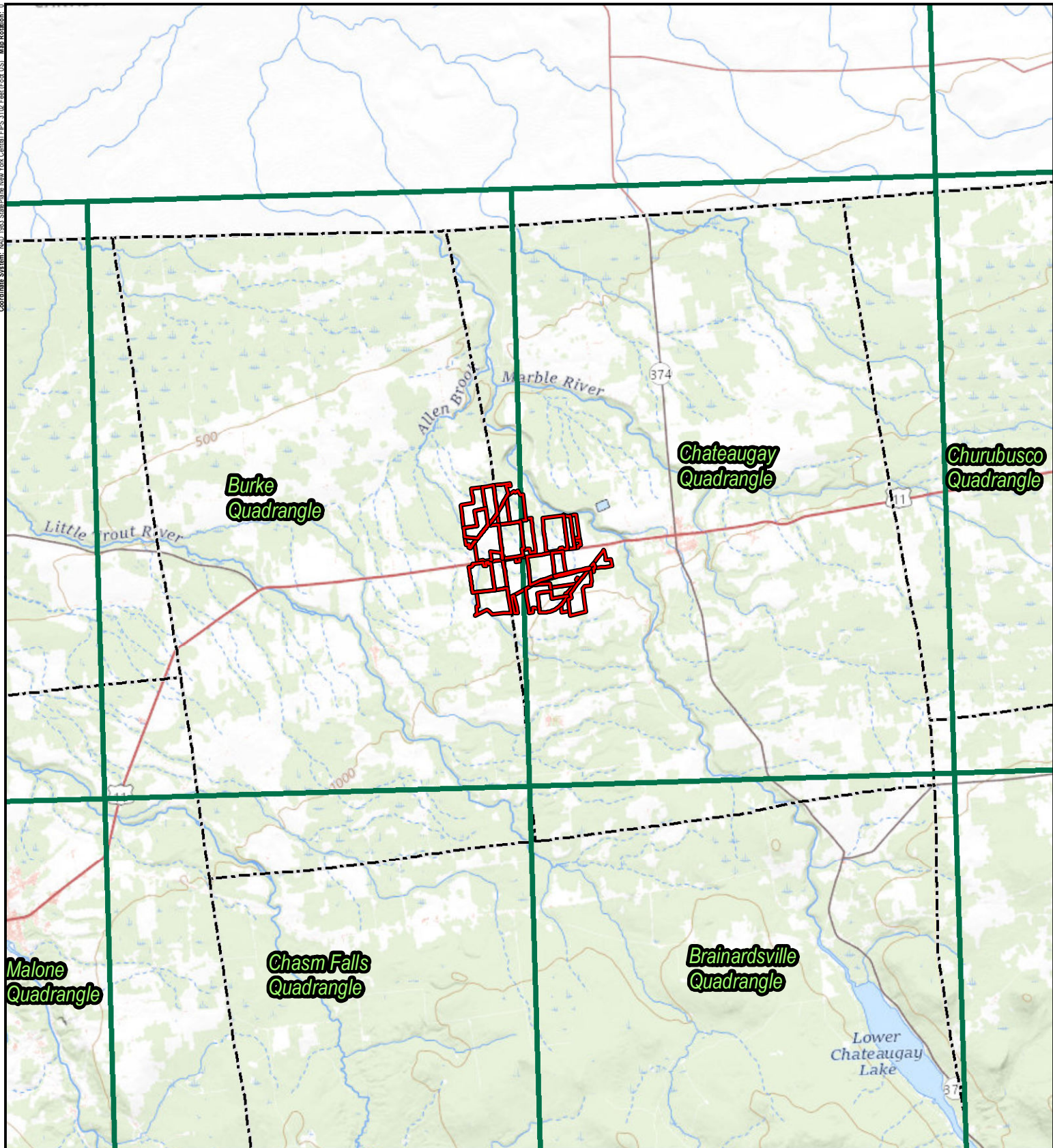
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<https://viewer.nationalmap.gov/advanced-viewer/>.

APPENDIX A

Figures

Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet (Foot, US) Map Resolution: 0

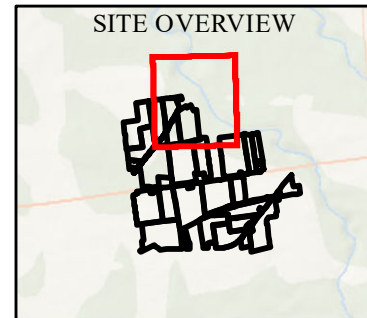
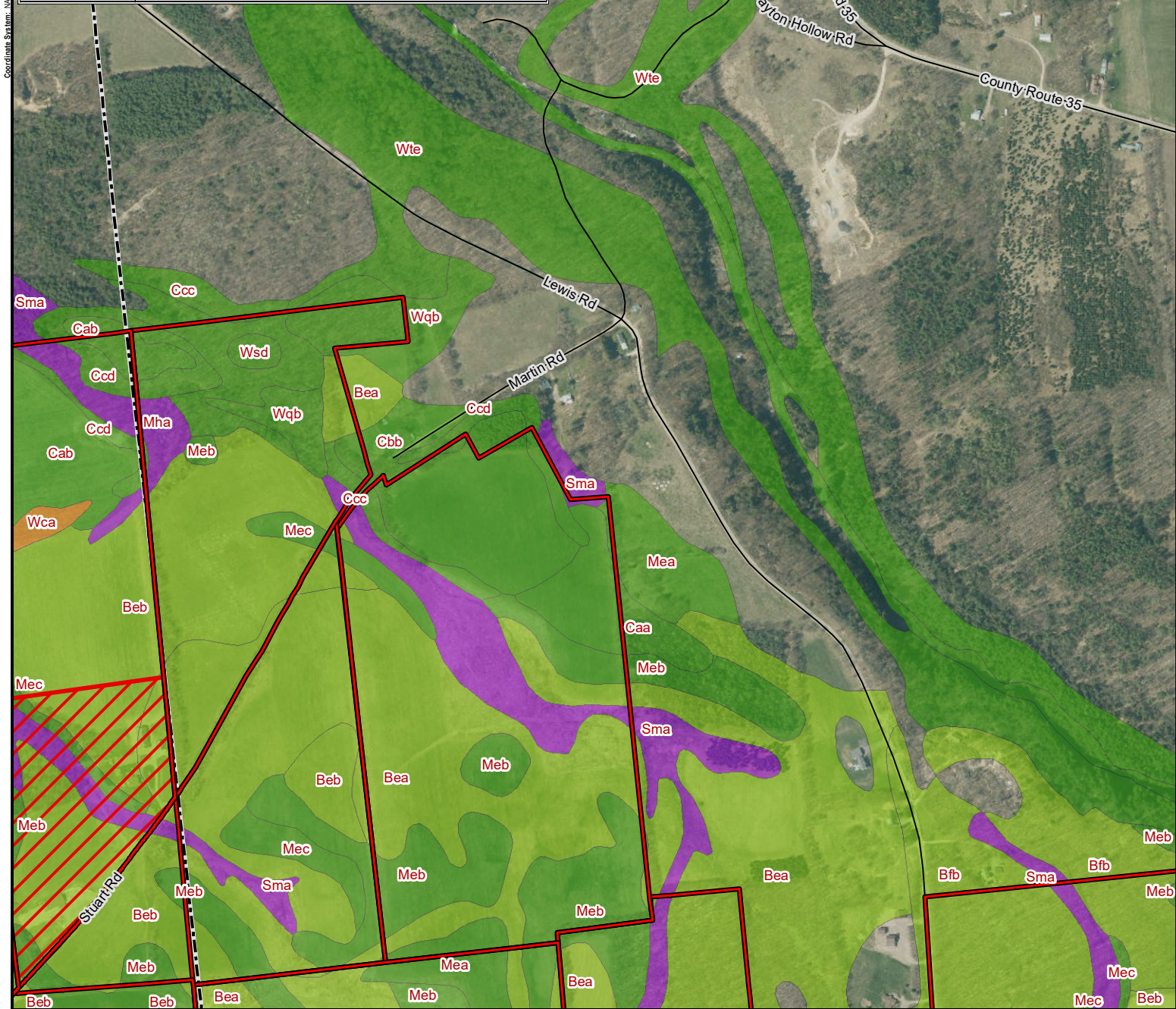


PROJECT: BROOKSIDE SOLAR LLC TOWNS OF BURKE AND CHATEAUGAY FRANKLIN COUNTY, NY	
TITLE: SITE LOCATION MAP	
DRAWN BY: D. BARLEY	PROJECT NO.: 373210
CHECKED BY: A. KAILAS	FIGURE 1
APPROVED BY: H. EFFLER	
DATE: JUNE 2021	
 215 GREENFIELD PKWY, STE 102 LIVERPOOL, NY 13088	

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	Moirs stony loam, 0 to 3 percent slopes
Meb	Moirs 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	Moirs 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

CHECKED BY: A. KAILAS

APPROVED BY: H. EFFLER

DATE: JUNE 2021

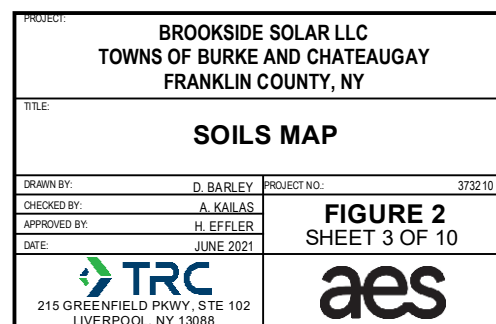
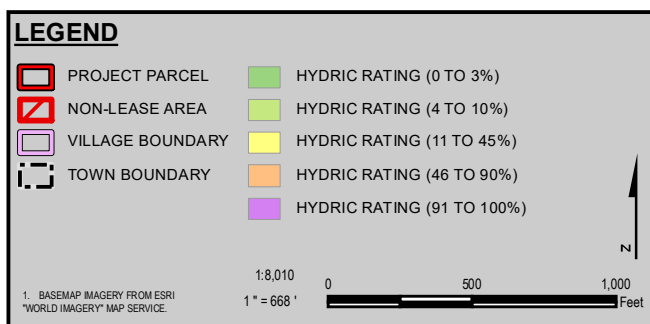
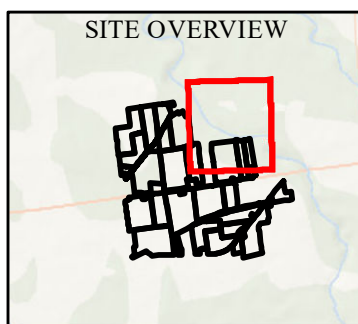
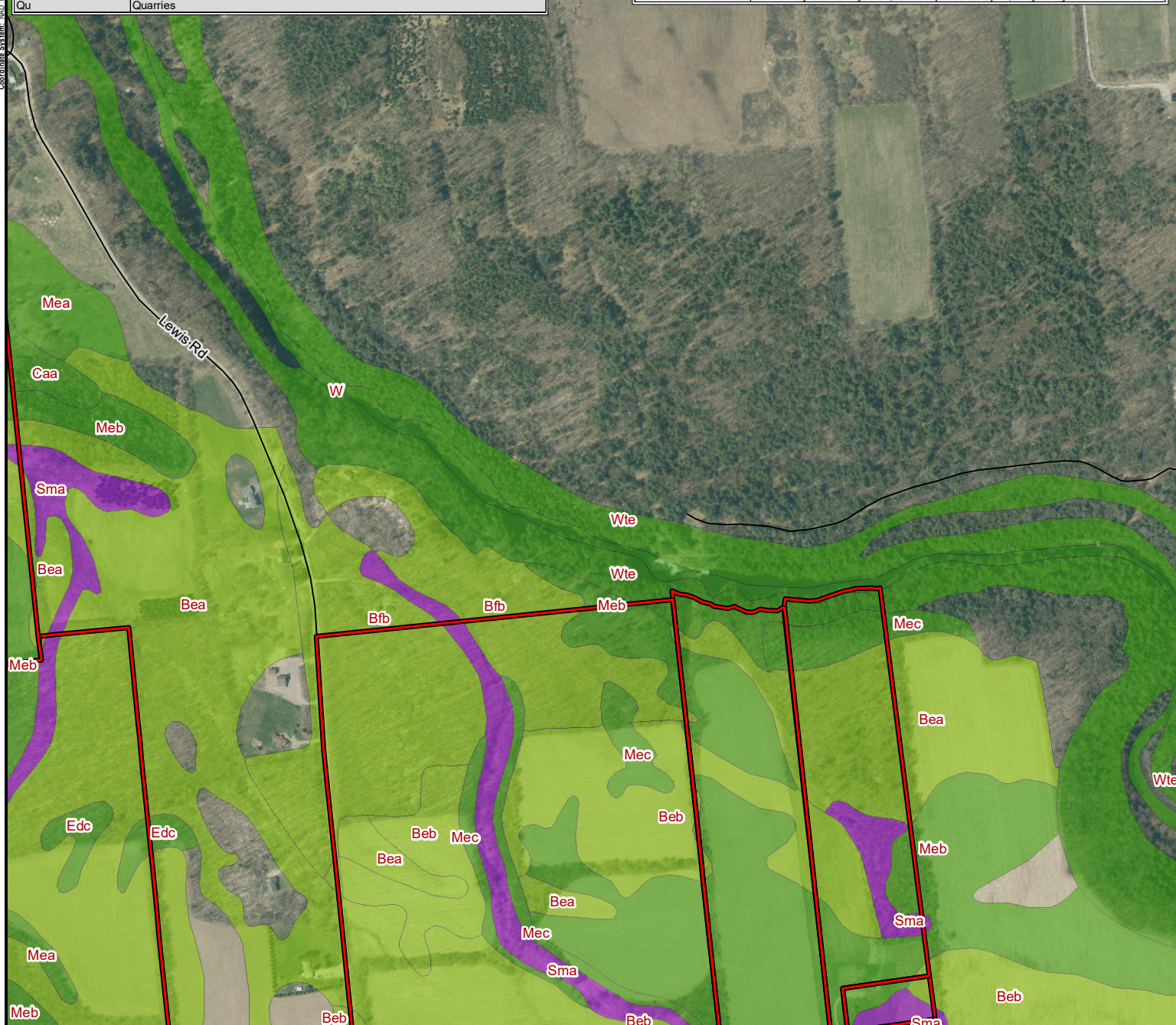
PROJECT NO: 373210

FIGURE 2
SHEET 2 OF 10

215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088

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
Tdd	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
Gab	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

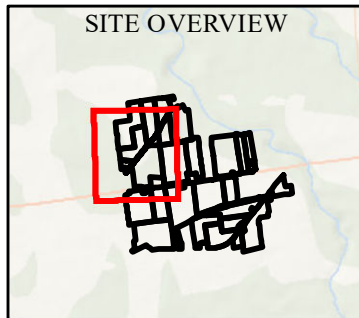
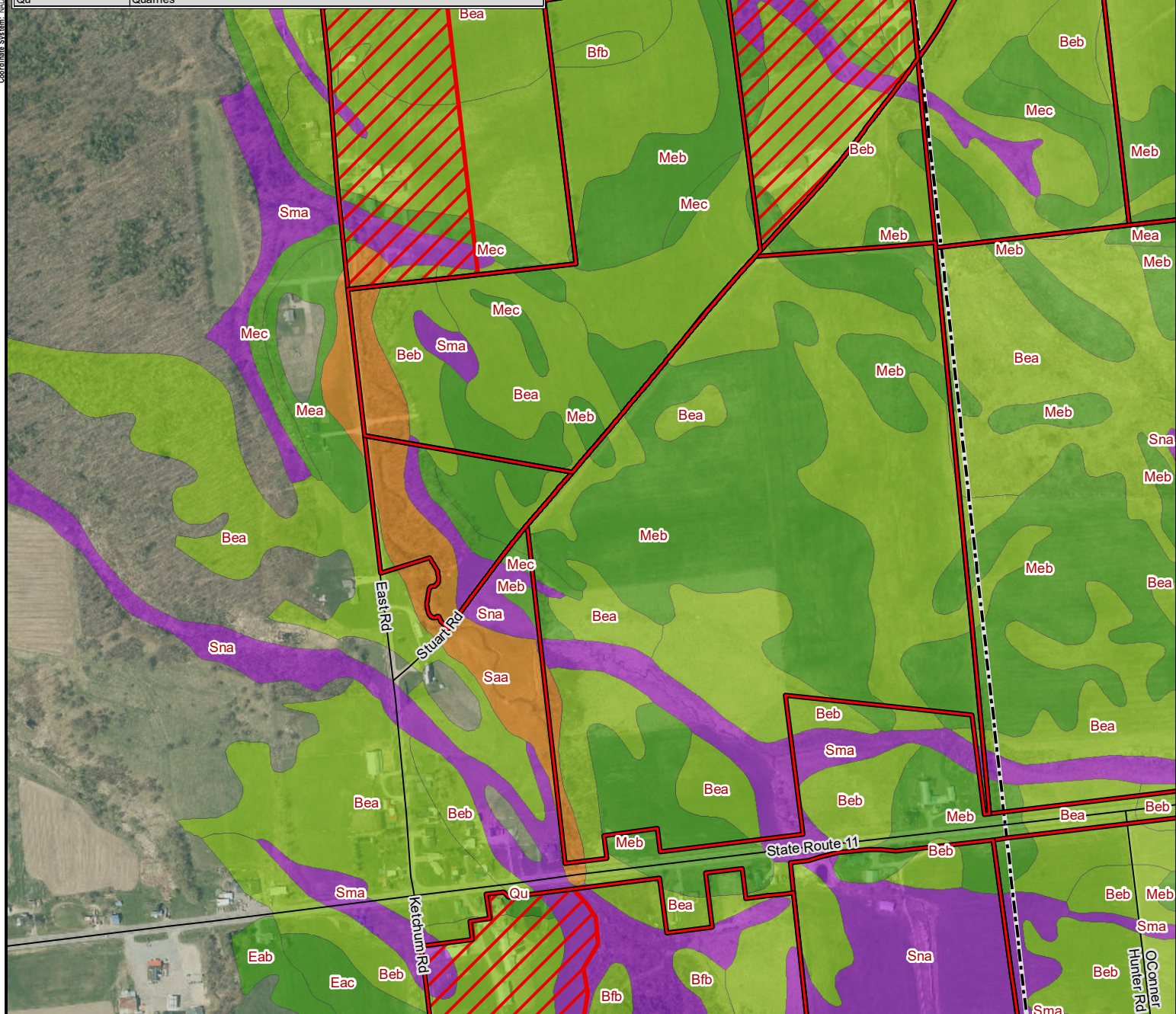
Mapunit Symbol	Soil Mapunit Name
Sma	Runeberg soils, 0 to 5 percent slopes
Sna	Runeberg soils, 0 to 5 percent slopes, very stony
Mea	Moira stony loam, 0 to 3 percent slopes
Meb	Moira stony loam, 3 to 8 percent slopes
Saa	Saco and Sloan soils, 0 to 2 percent slopes
Wca	Walpole sandy loam, 0 to 6 percent 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
Wgb	Worth very fine sandy loam, 3 to 8 percent slopes, stony
Wsd	Worth very fine sandy loam, 8 to 25 percent slopes, very stony



Map Rotation: 0
Coordinate 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
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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
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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

CHECKED BY: A. KAILAS

APPROVED BY: H. EFFLER

DATE: JUNE 2021

PROJECT NO: 373210

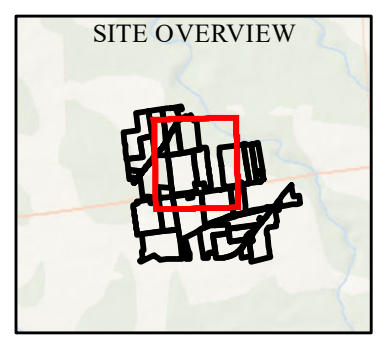
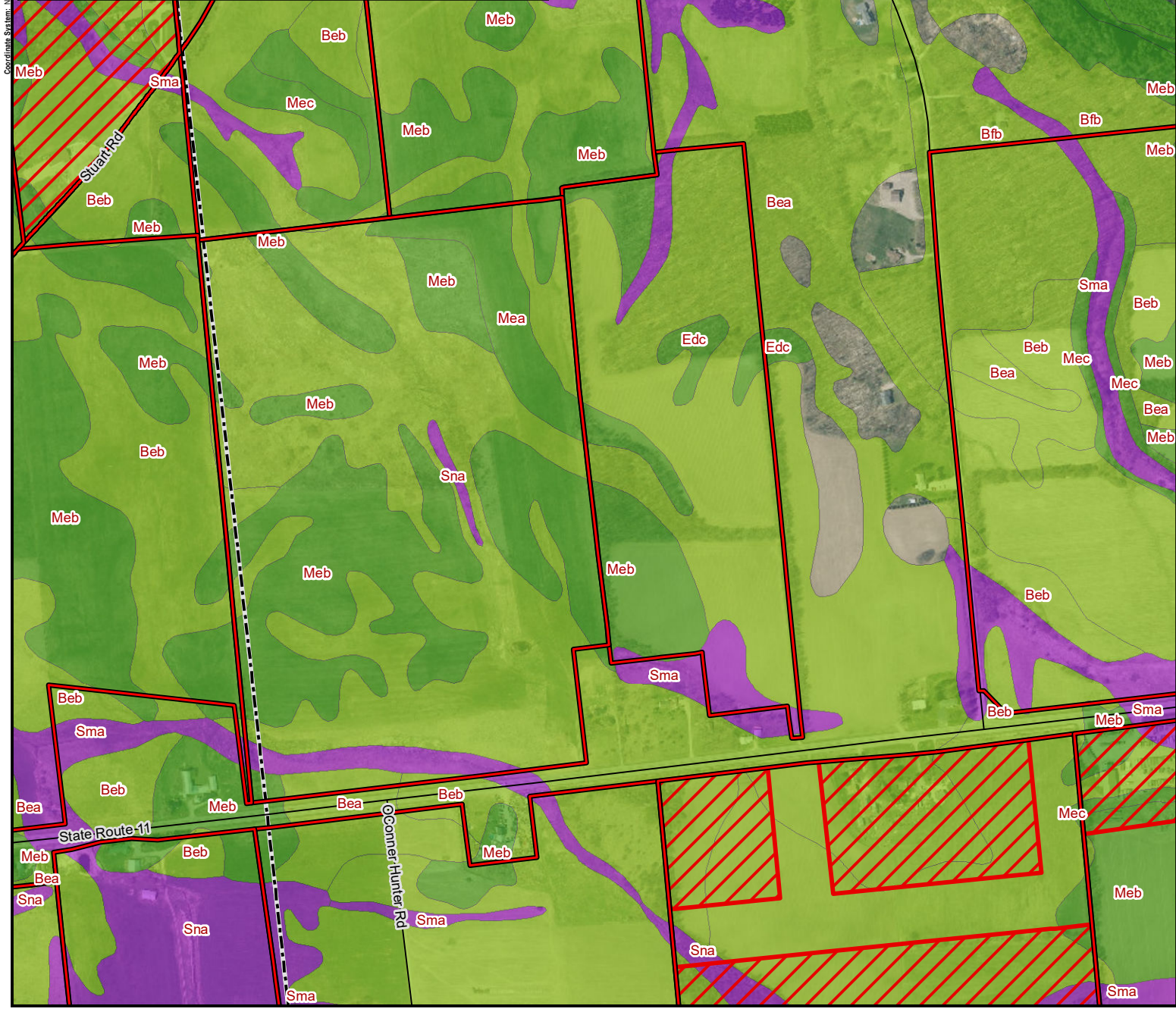
**FIGURE 2
SHEET 4 OF 10**

215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Eod 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
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Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
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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
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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

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

TITLE: **SOILS MAP**

DRAWN BY: D. BARLEY

CHECKED BY: A. KAILAS

APPROVED BY: H. EFFLER

DATE: JUNE 2021

PROJECT NO: 373210

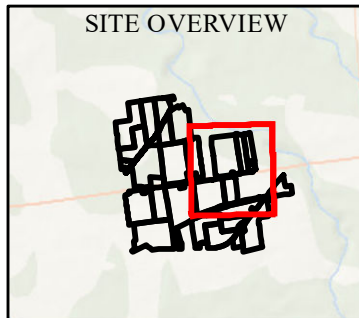
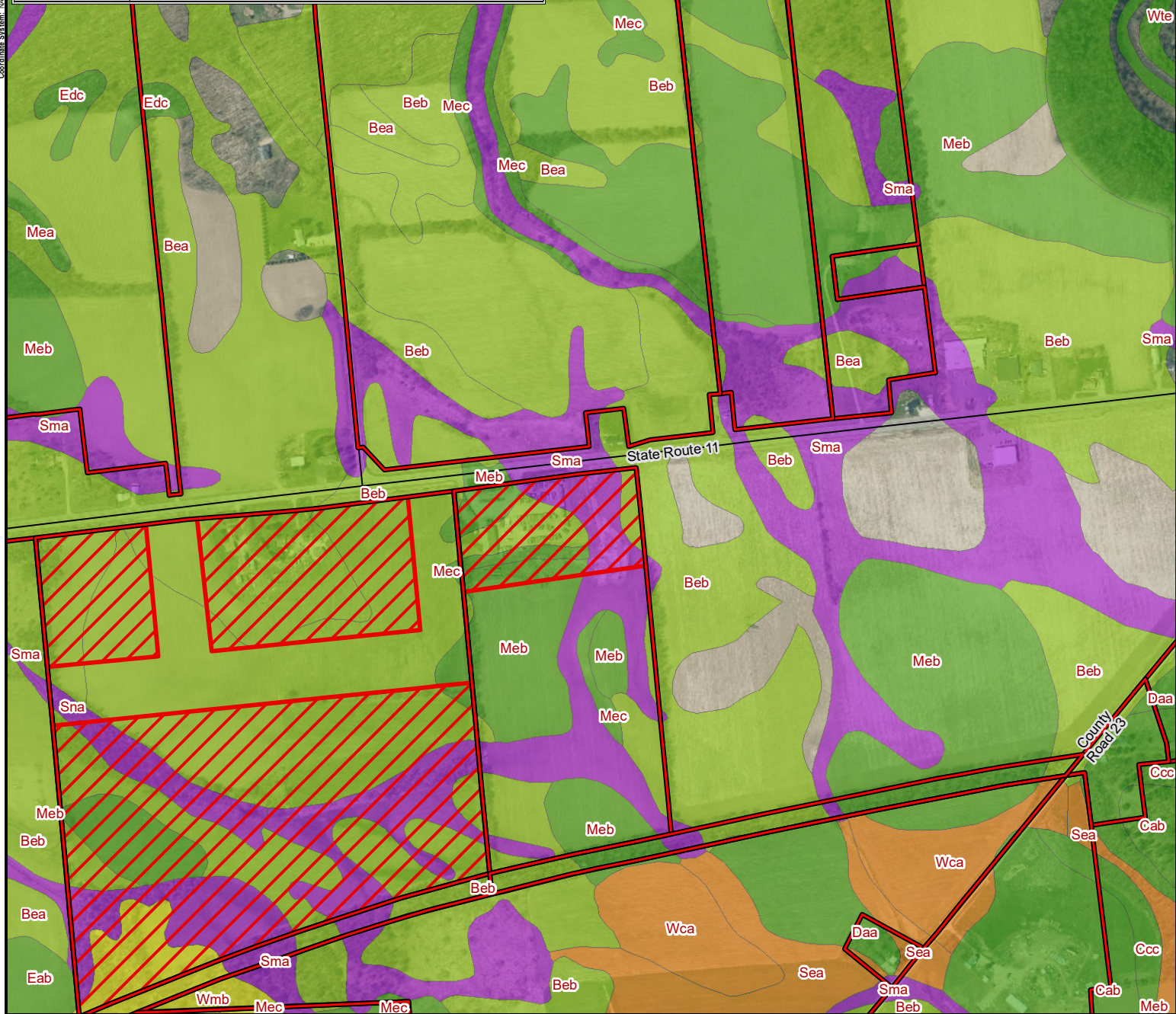
FIGURE 2
SHEET 5 OF 10

215 GREENFIELD PKWY., STE 102
LIVERPOOL, NY 13088

Map Rotation: 0
Coordinate 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
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Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
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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
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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%)

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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
CHECKED BY: A. KAILAS
APPROVED BY: H. EFFLER
DATE: JUNE 2021

PROJECT NO: 373210

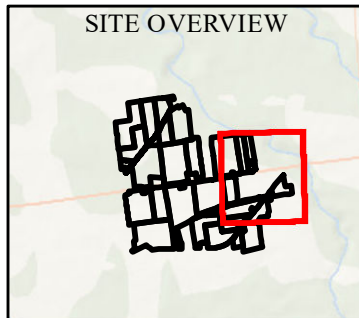
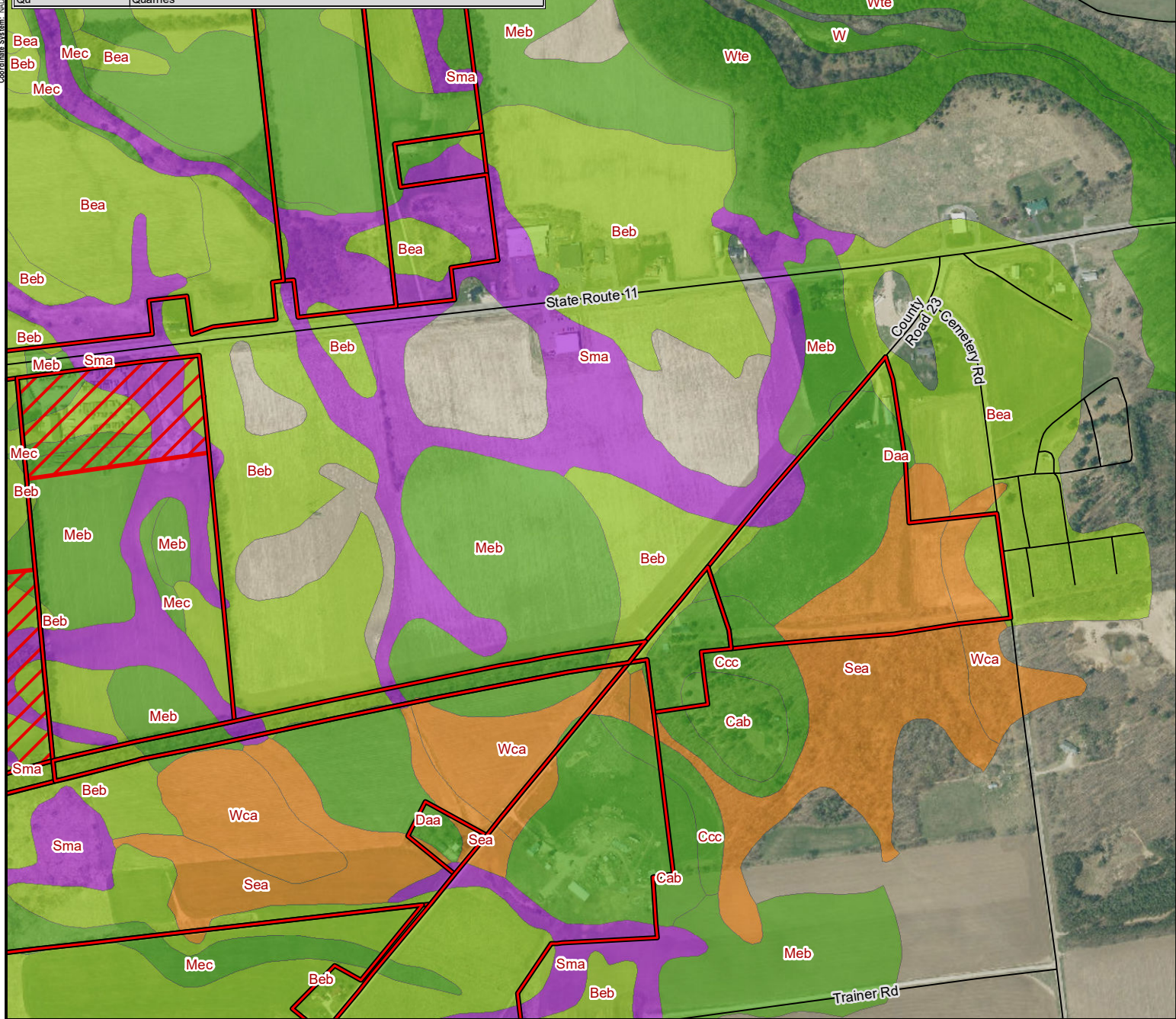
FIGURE 2
SHEET 6 OF 10

215 GREENFIELD PKWY., STE 102
LIVERPOOL, NY 13088

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
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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	Moirs stony loam, 0 to 3 percent slopes
Meb	Moirs 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
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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%)

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HYDRIC RATING (91 TO 100%)

1:8,020
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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

CHECKED BY: A. KAILAS

APPROVED BY: H. EFFLER

DATE: JUNE 2021

PROJECT NO: 373210

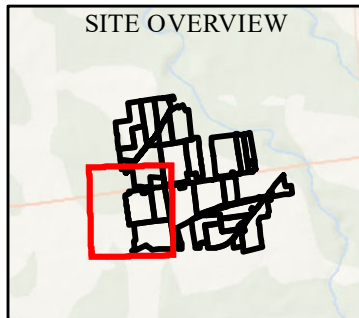
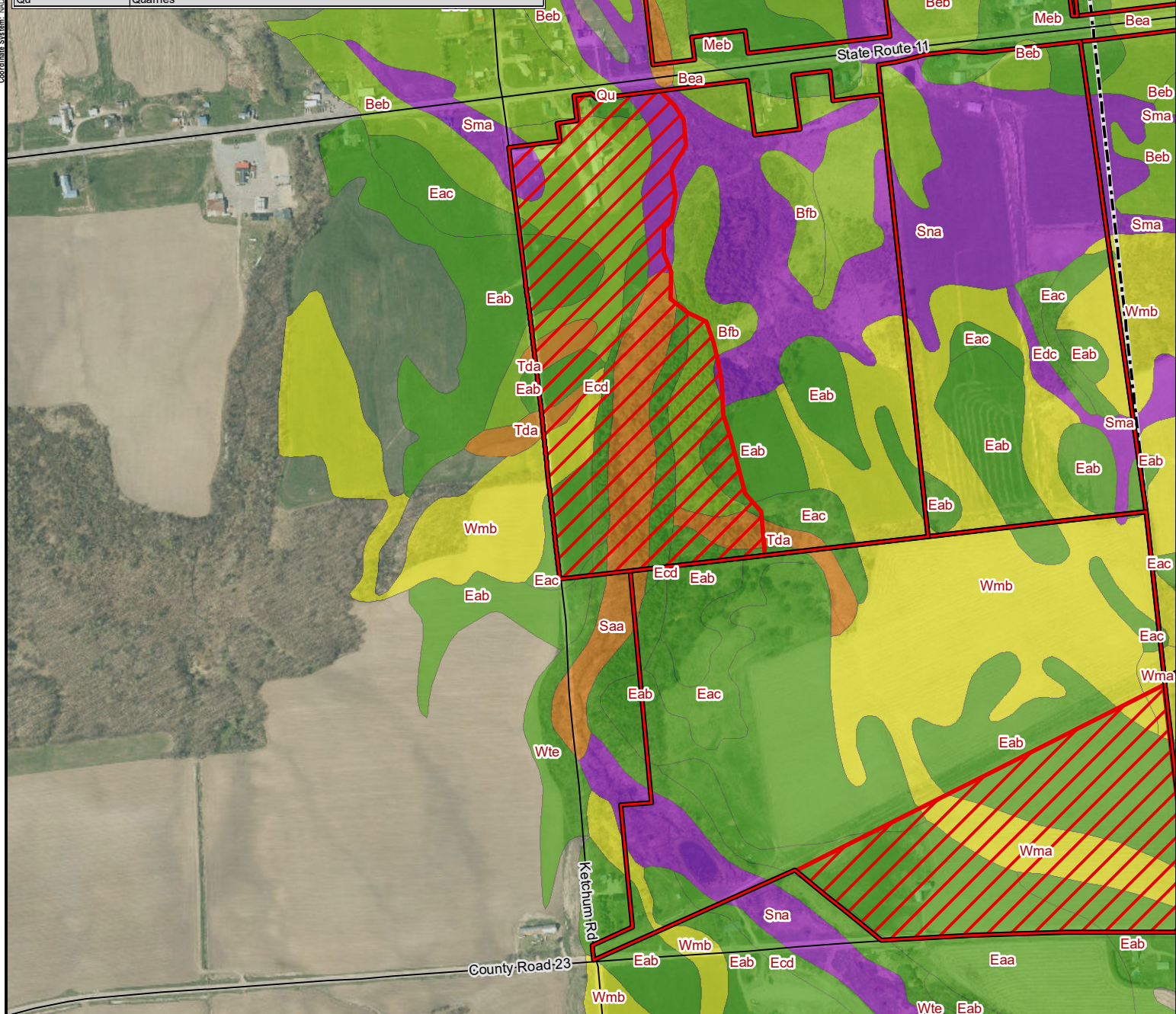
FIGURE 2
SHEET 7 OF 10

215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088

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
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Eaa	Empeyville very fine sandy loam, 0 to 3 percent slopes, stony
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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
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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'

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
CHECKED BY: A. KAILAS
APPROVED BY: H. EFFLER
DATE: JUNE 2021

PROJECT NO: 373210

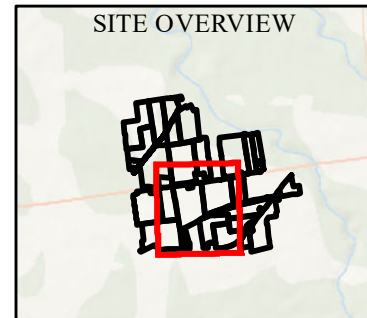
FIGURE 2
SHEET 8 OF 10

215 GREENFIELD PKWY., STE 102
LIVERPOOL, NY 13088

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Eod 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 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'

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

CHECKED BY: A. KAILAS

APPROVED BY: H. EFFLER

DATE: JUNE 2021

PROJECT NO: 373210

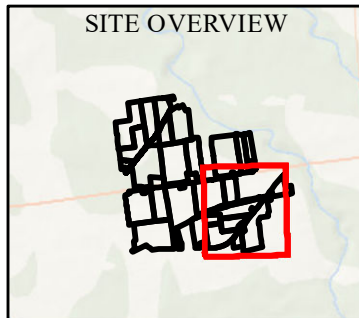
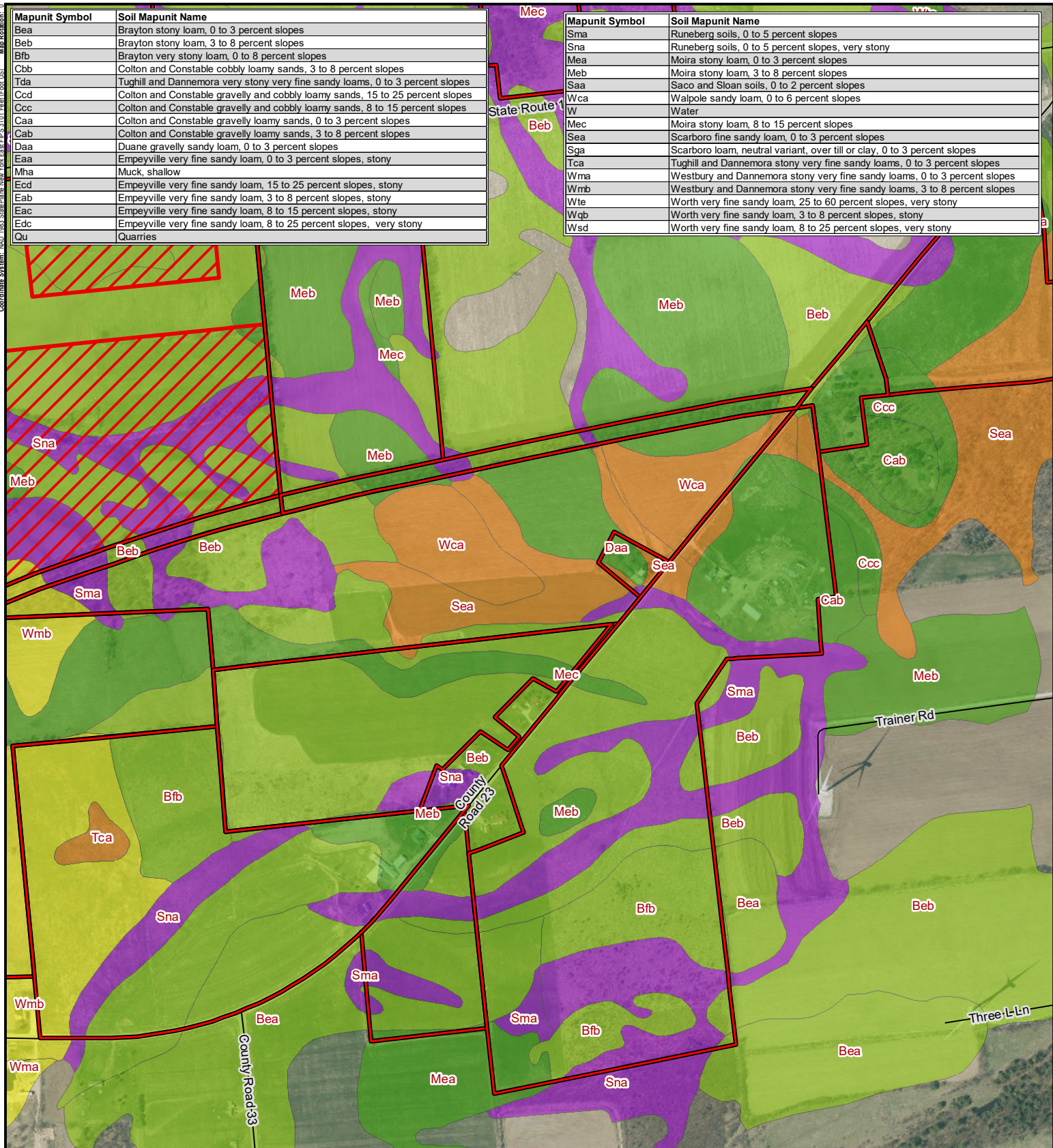
FIGURE 2
SHEET 9 OF 10

215 GREENFIELD PKWY., STE 102
LIVERPOOL, NY 13088

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
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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
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Wte	Worth very fine sandy loam, 25 to 60 percent slopes, very stony
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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

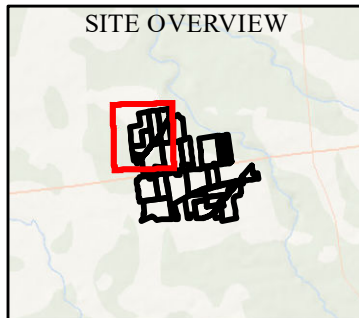
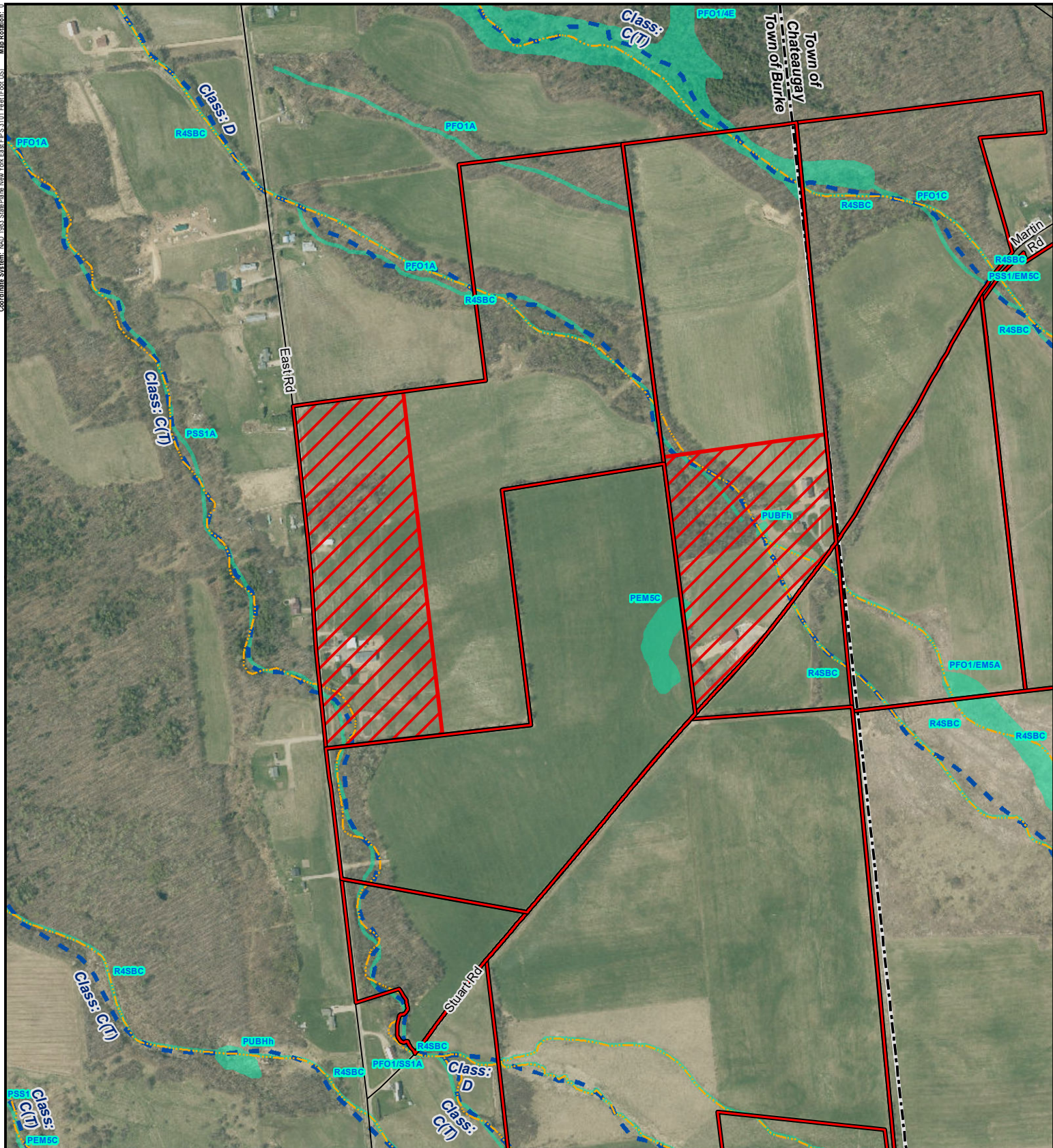
TITLE: SOILS MAP

DRAWN BY: D. BARLEY
CHECKED BY: A. KAILAS
APPROVED BY: H. EFFLER
DATE: JUNE 2021

PROJECT NO: 373210

FIGURE 2
SHEET 10 OF 10

215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088



LEGEND

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

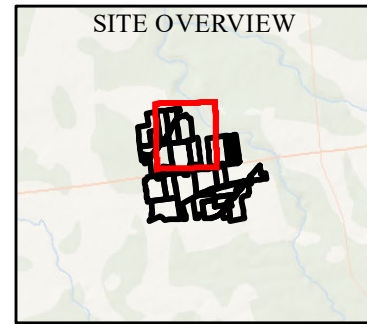
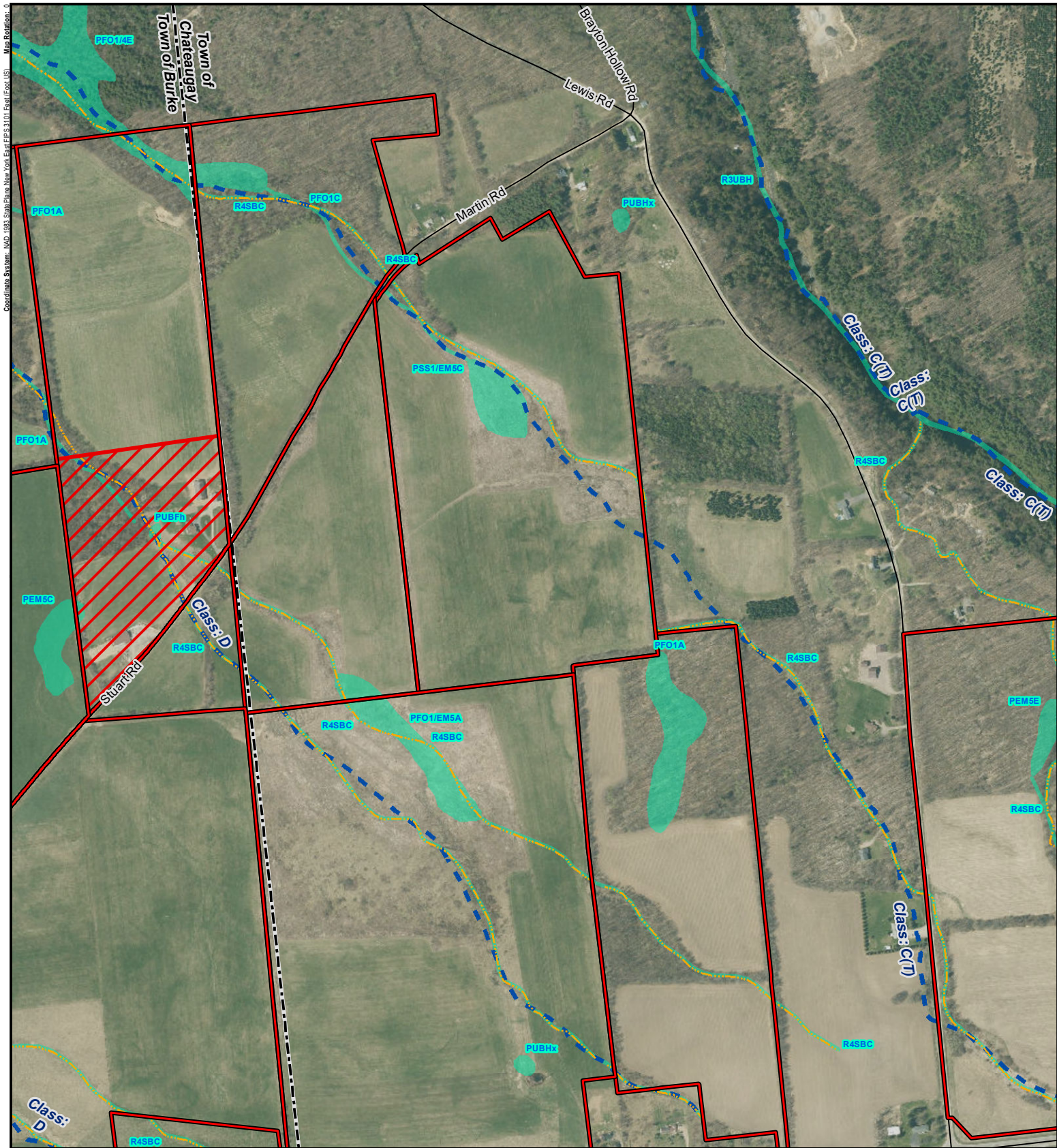
Note: FEMA Floodplains not Mapped in Town of Chateaugay portion of Project Area. No mapped 100-Year floodplains within remainder of Project Area.

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	
 215 GREENFIELD PKWY, STE 102 LIVERPOOL, NY 13088	FIGURE 3 SHEET 1 OF 7



LEGEND

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

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

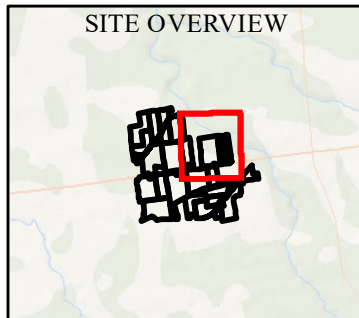
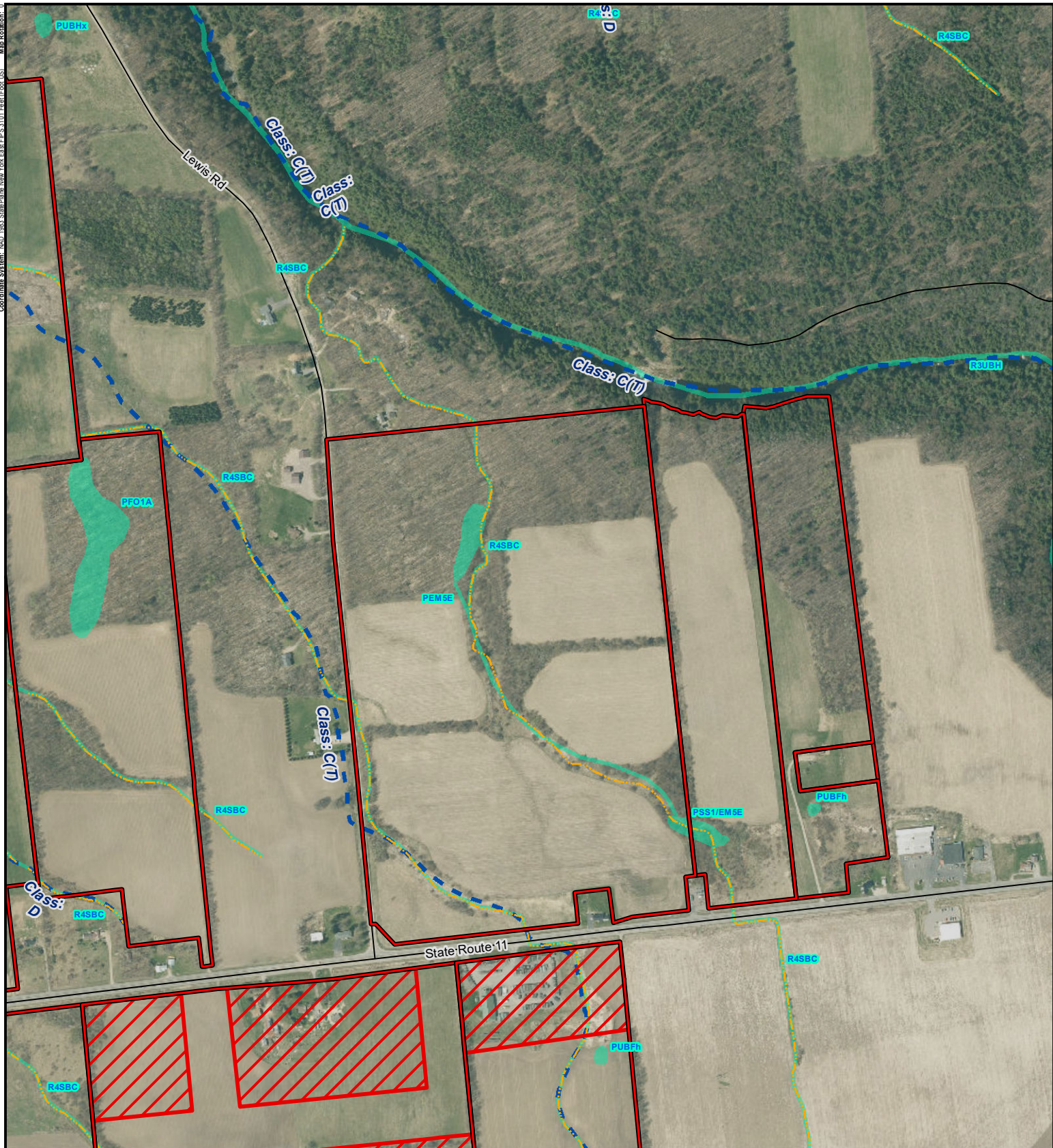
1:8,010
1" = 668'

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 & CHATEAUGAY FRANKLIN COUNTY, NY	
TITLE: FEDERAL & STATE MAPPED RESOURCES	
DRAWN BY: D. BARLEY	PROJECT NO: 373210
CHECKED BY: A. KAILAS	FIGURE 3 SHEET 2 OF 7
APPROVED BY: H. EFFLER	
DATE: JUNE 2021	
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



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'

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

TITLE: FEDERAL & STATE
MAPPED RESOURCES

DRAWN BY: D. BARLEY

CHECKED BY: A. KAILAS

APPROVED BY: H. EFFLER

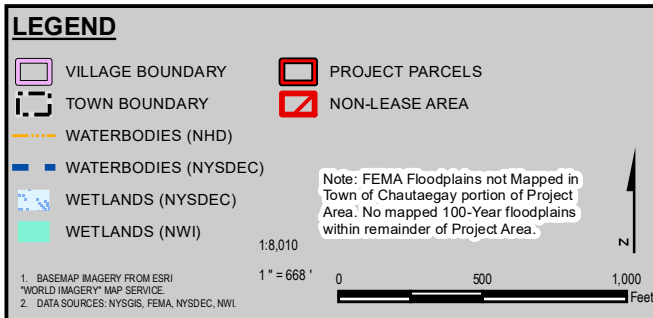
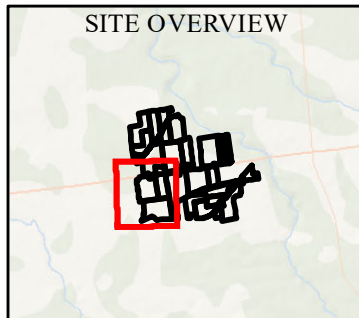
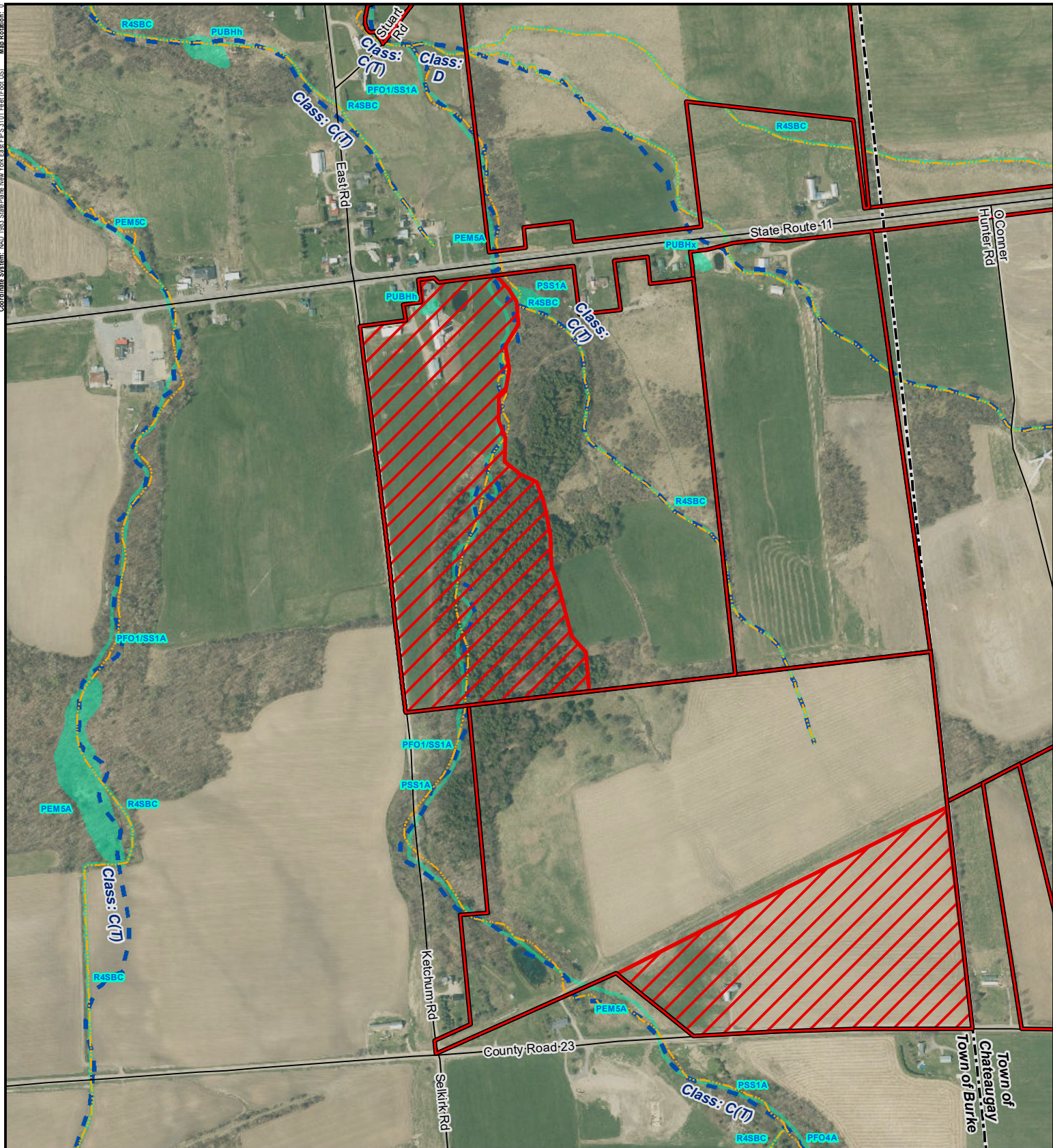
DATE: JUNE 2021

PROJECT NO: 373210

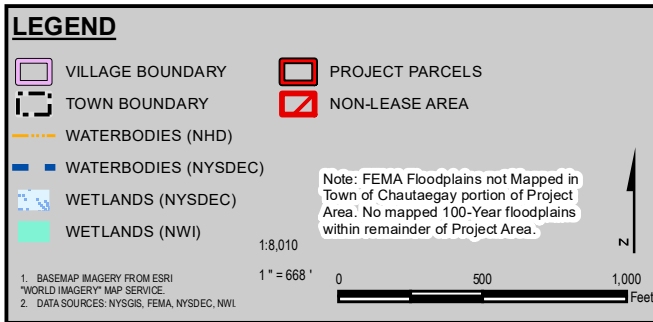
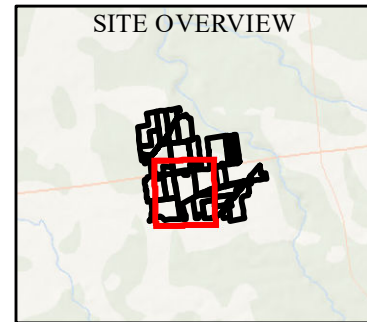
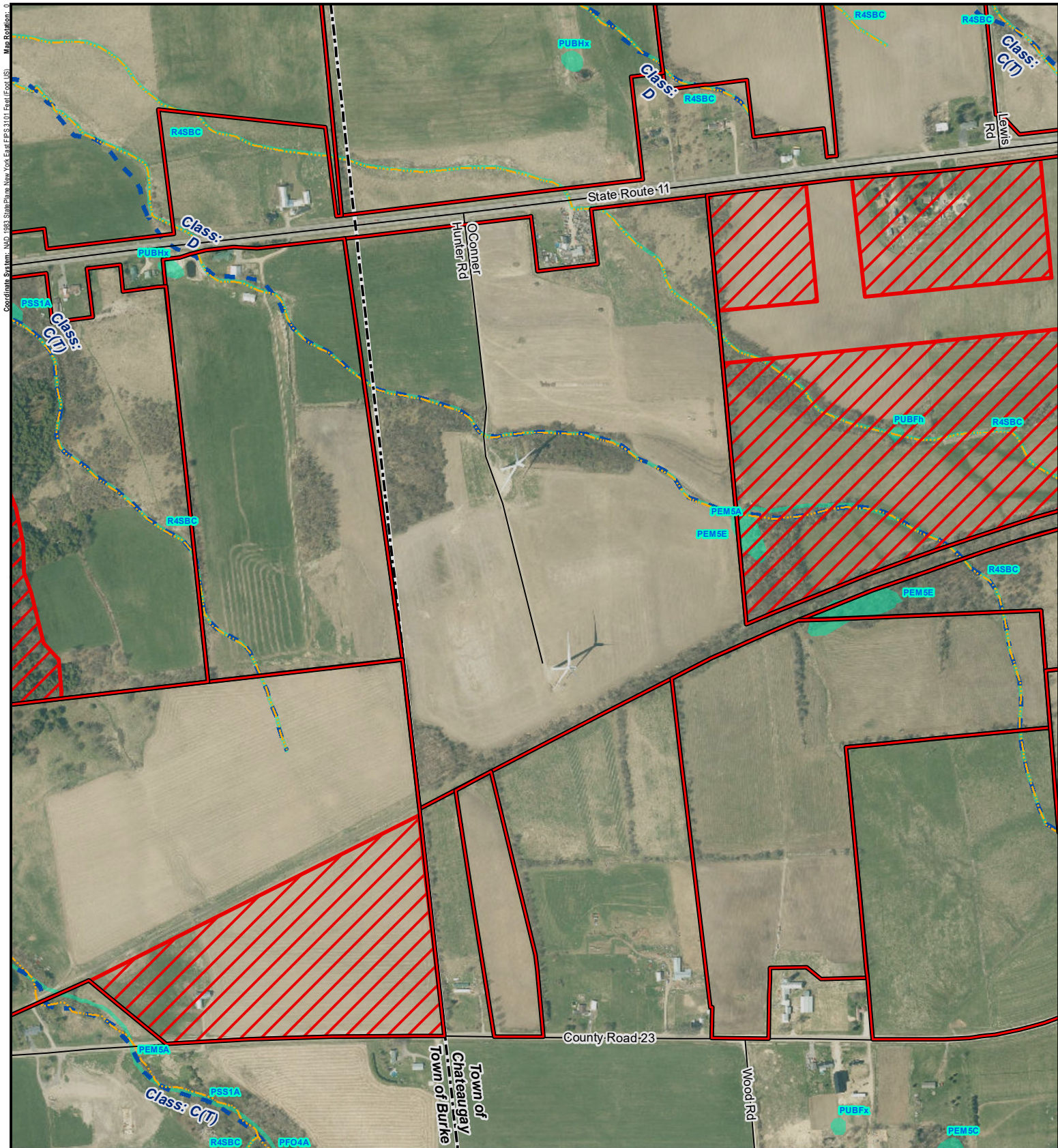
FIGURE 3
SHEET 3 OF 7

TRC
215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088

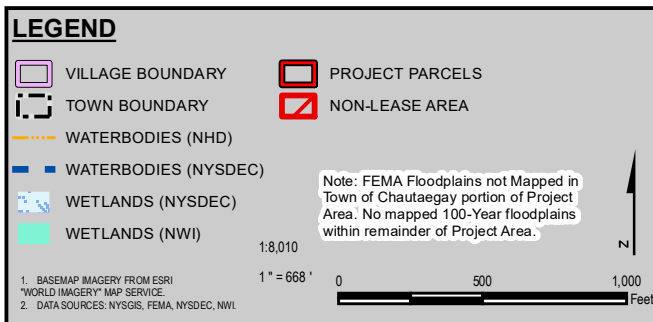
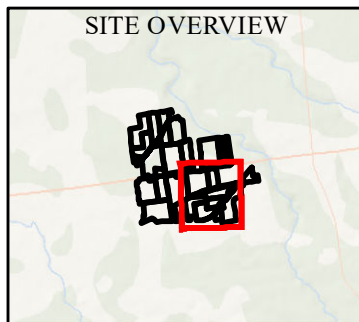
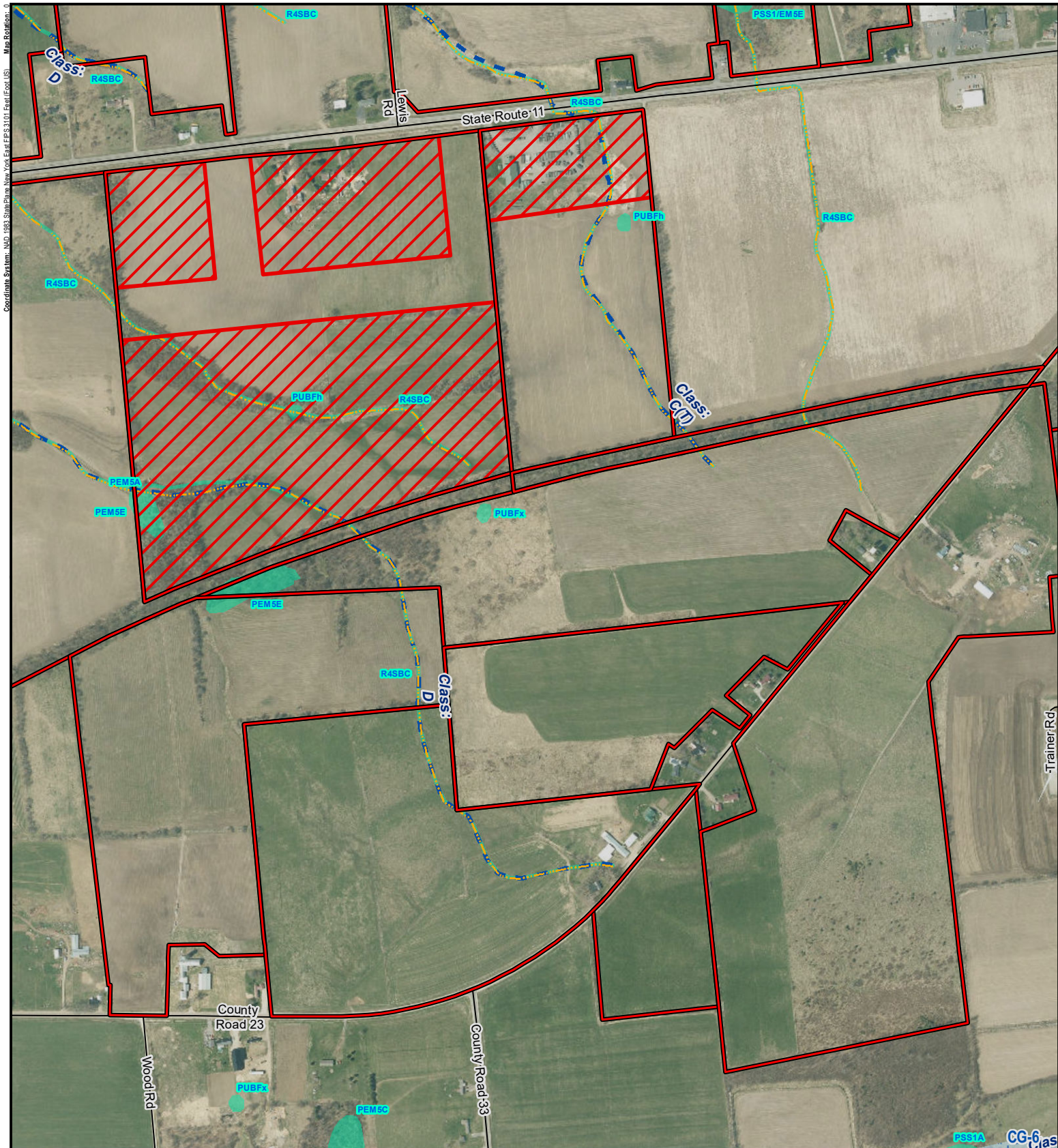
Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Foot US) Map Resolution: 0



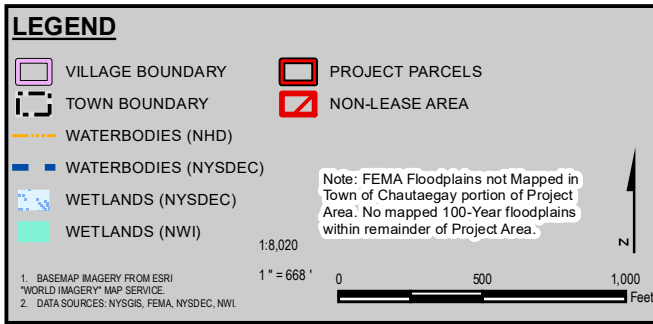
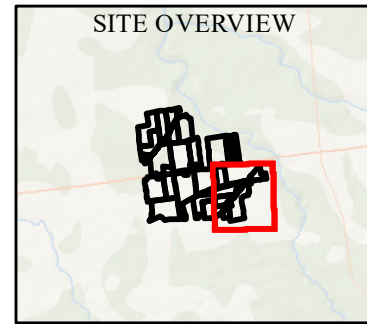
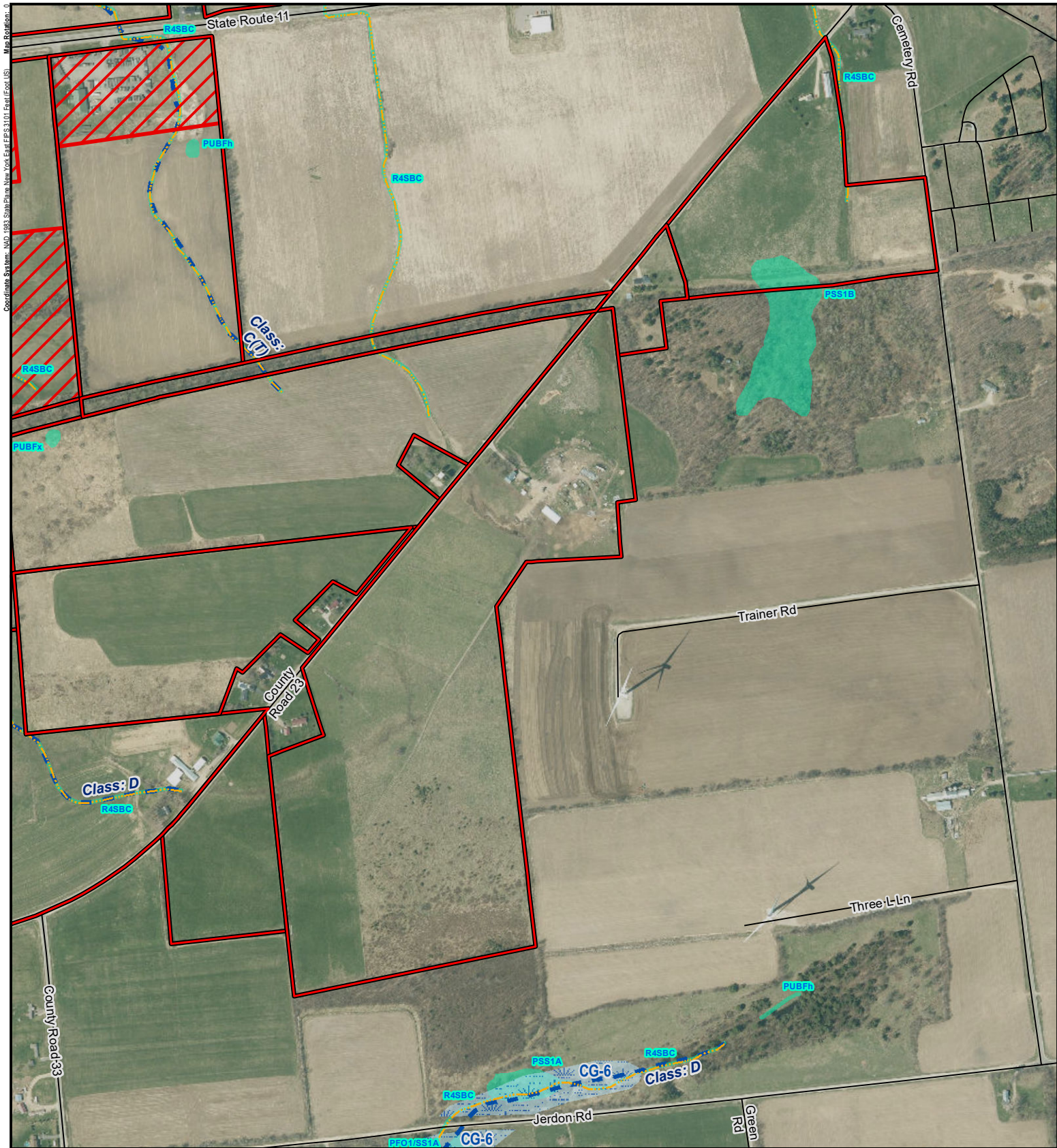
PROJECT: BROOKSIDE SOLAR LLC TOWNS OF BURKE & CHATEAUGAY FRANKLIN COUNTY, NY	
TITLE: FEDERAL & STATE MAPPED RESOURCES	
DRAWN BY: D. BARLEY	PROJECT NO: 373210
CHECKED BY: A. KAILAS	
APPROVED BY: H. EFFLER	
DATE: JUNE 2021	
 215 GREENFIELD PKWY, STE 102 LIVERPOOL, NY 13088	FIGURE 3 SHEET 4 OF 7



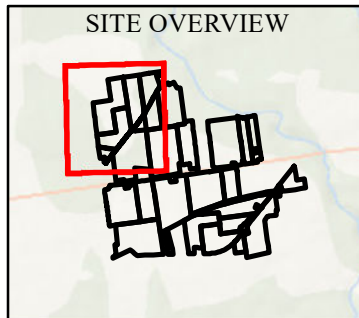
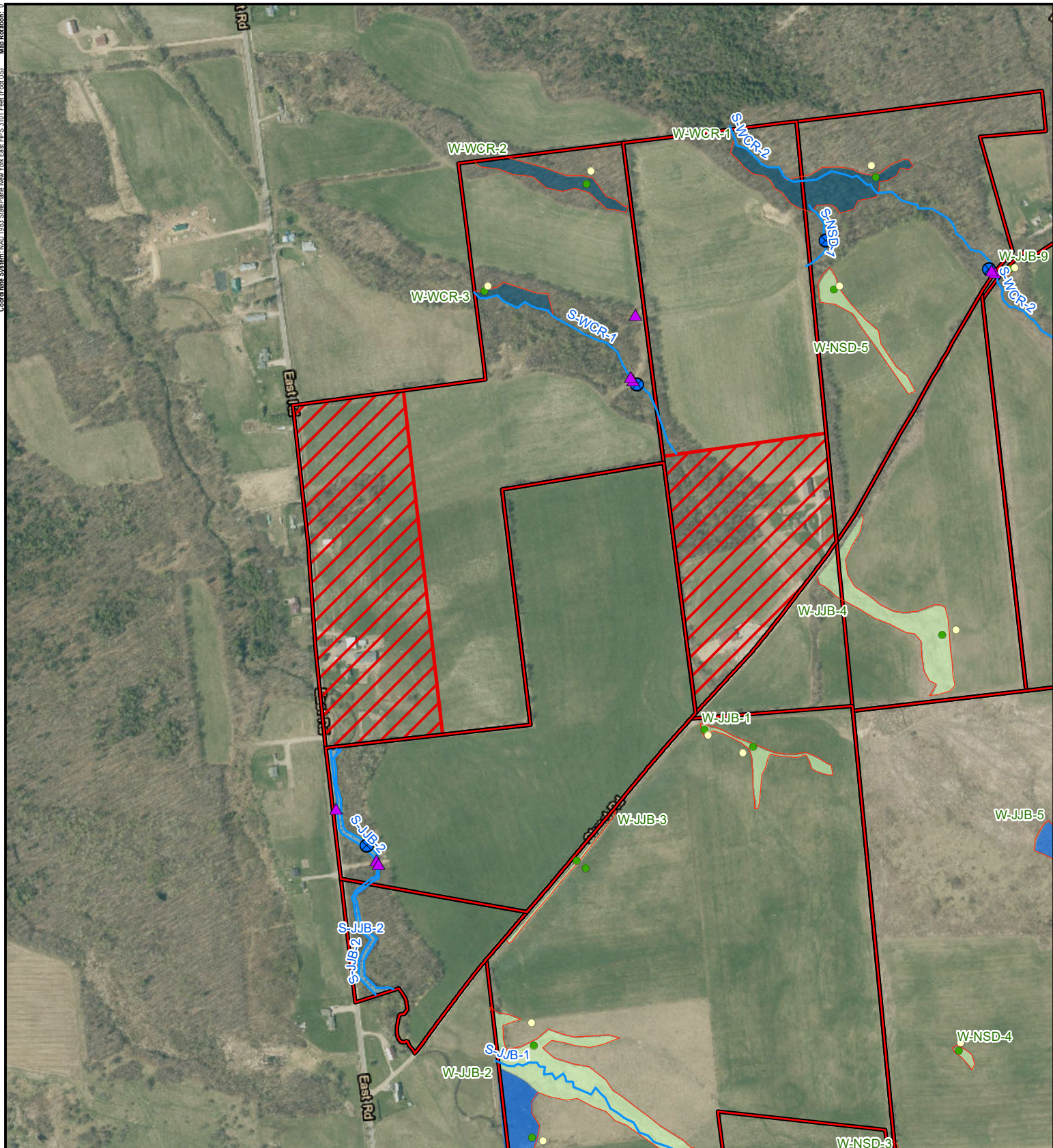
PROJECT: BROOKSIDE SOLAR LLC TOWNS OF BURKE AND CHATEAUGAY FRANKLIN COUNTY, NY	
TITLE: FEDERAL & STATE MAPPED RESOURCES	
DRAWN BY: D. BARLEY	PROJECT NO: 373210
CHECKED BY: A. KAILAS	
APPROVED BY: H. EFFLER	
DATE: JUNE 2021	
TRC 215 GREENFIELD PKWY, STE 102 LIVERPOOL, NY 13088	
FIGURE 3 SHEET 5 OF 7 	



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	
 215 GREENFIELD PKWY, STE 102 LIVERPOOL, NY 13088	
FIGURE 3 SHEET 6 OF 7 	



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	
TRC 215 GREENFIELD PKWY, STE 102 LIVERPOOL, NY 13088	
FIGURE 3 SHEET 7 OF 7 	



LEGEND

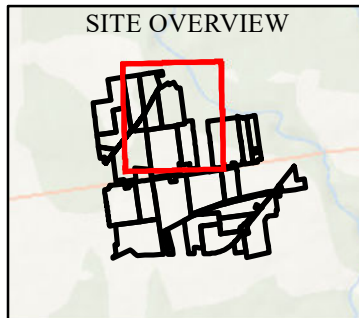
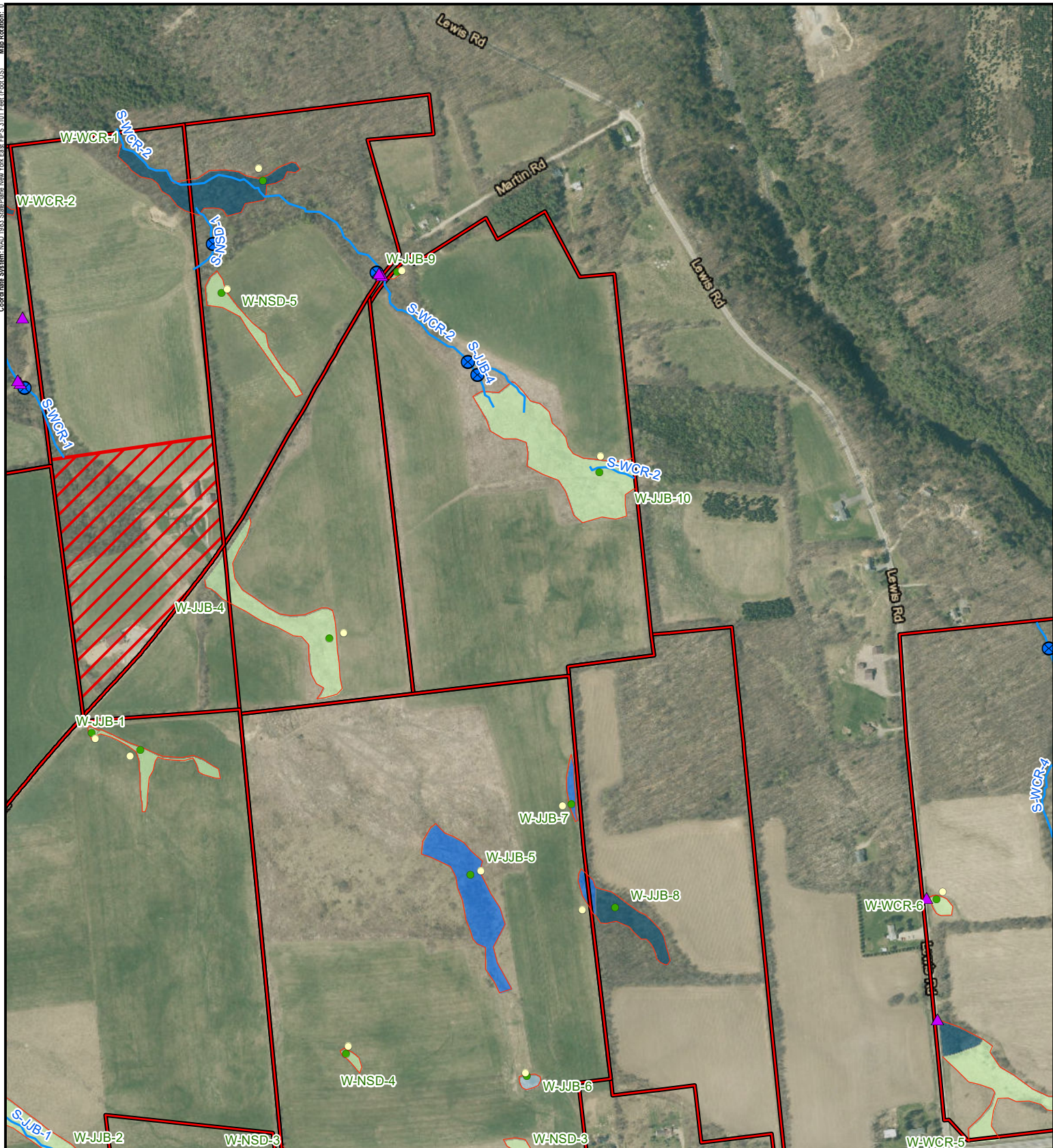
PROJECT PARCELS	DELINEATED WETLAND BOUNDARY LINE
NON-LEASE AREA	DELINEATED STREAM LINE
USACE WETLAND PLOT	DELINEATED SURFACE WATER
USACE UPLAND PLOT	DELINEATED PEM WETLAND
CULVERT	DELINEATED PSS WETLAND
STREAM PLOT	DELINEATED PFO WETLAND

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	

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



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

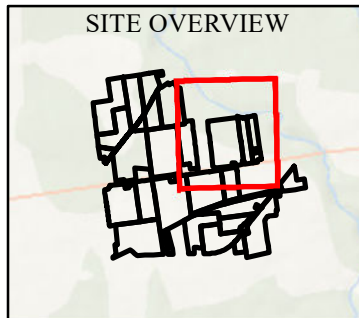
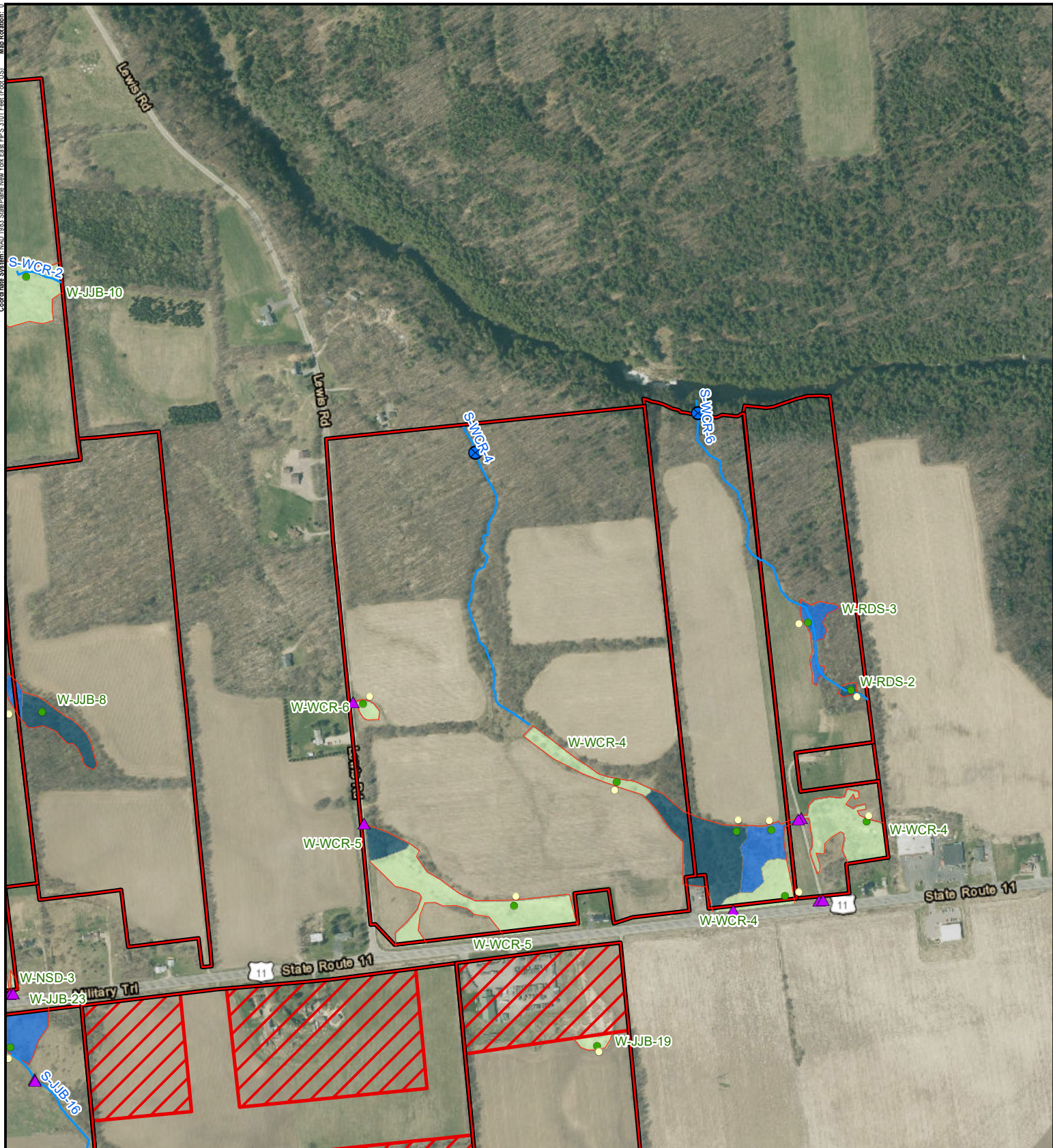
PROJECT: **BROOKSIDE SOLAR LLC**
TOWNS OF BURKE AND CHATEAUGAY
FRANKLIN COUNTY, NY

TITLE: **DELINEATED RESOURCES BY TYPE**

DRAWN BY: D. BARLEY	PROJECT NO.: 373210
CHECKED BY: A. KAILAS	FIGURE 4 SHEET 2 OF 7
APPROVED BY: H. EFFLER	
DATE: NOVEMBER 2021	

215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088

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



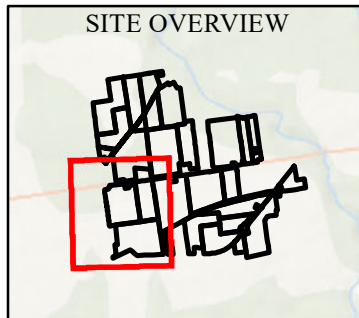
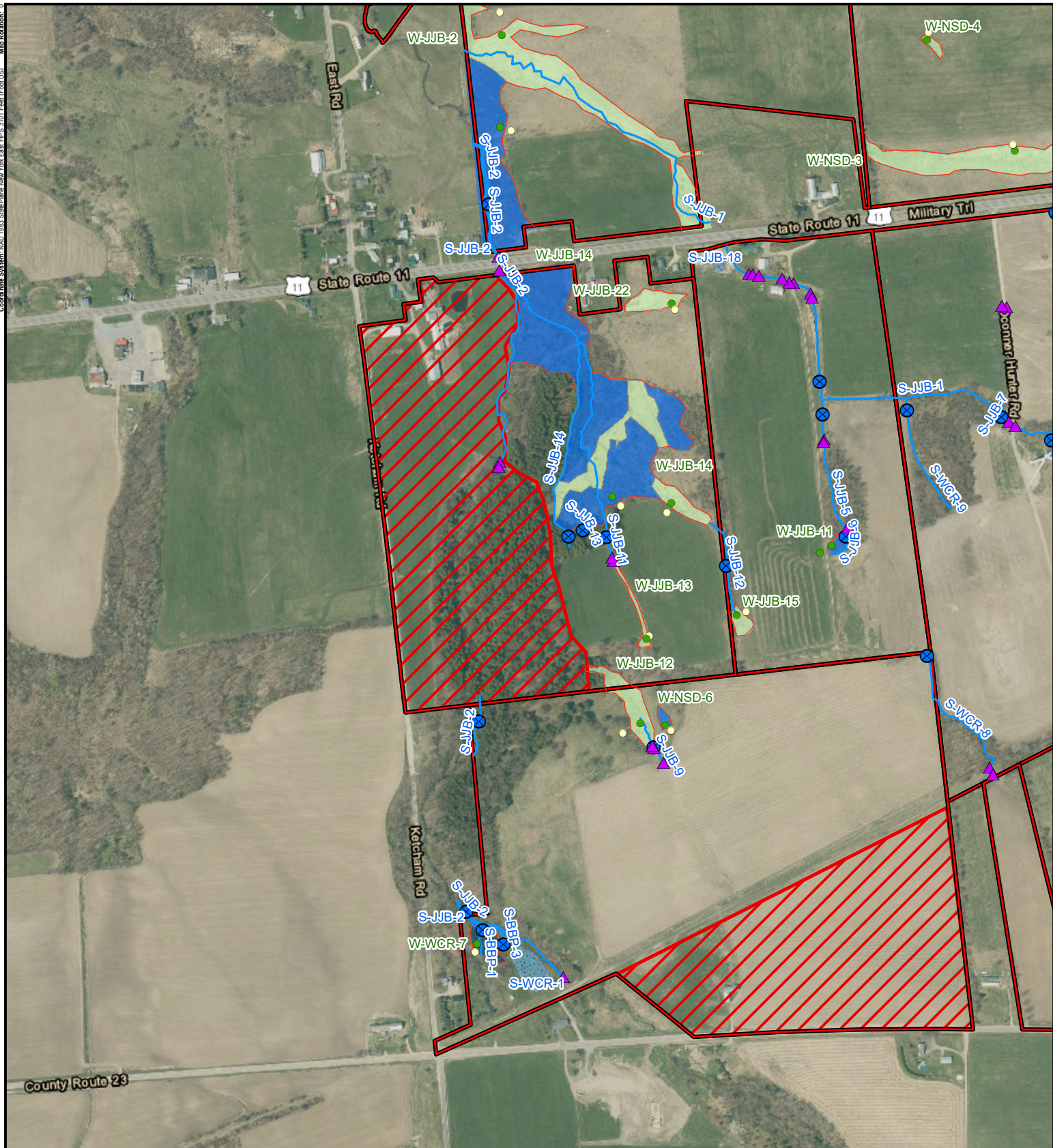
LEGEND

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	



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.

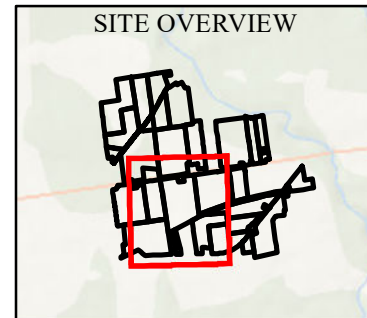
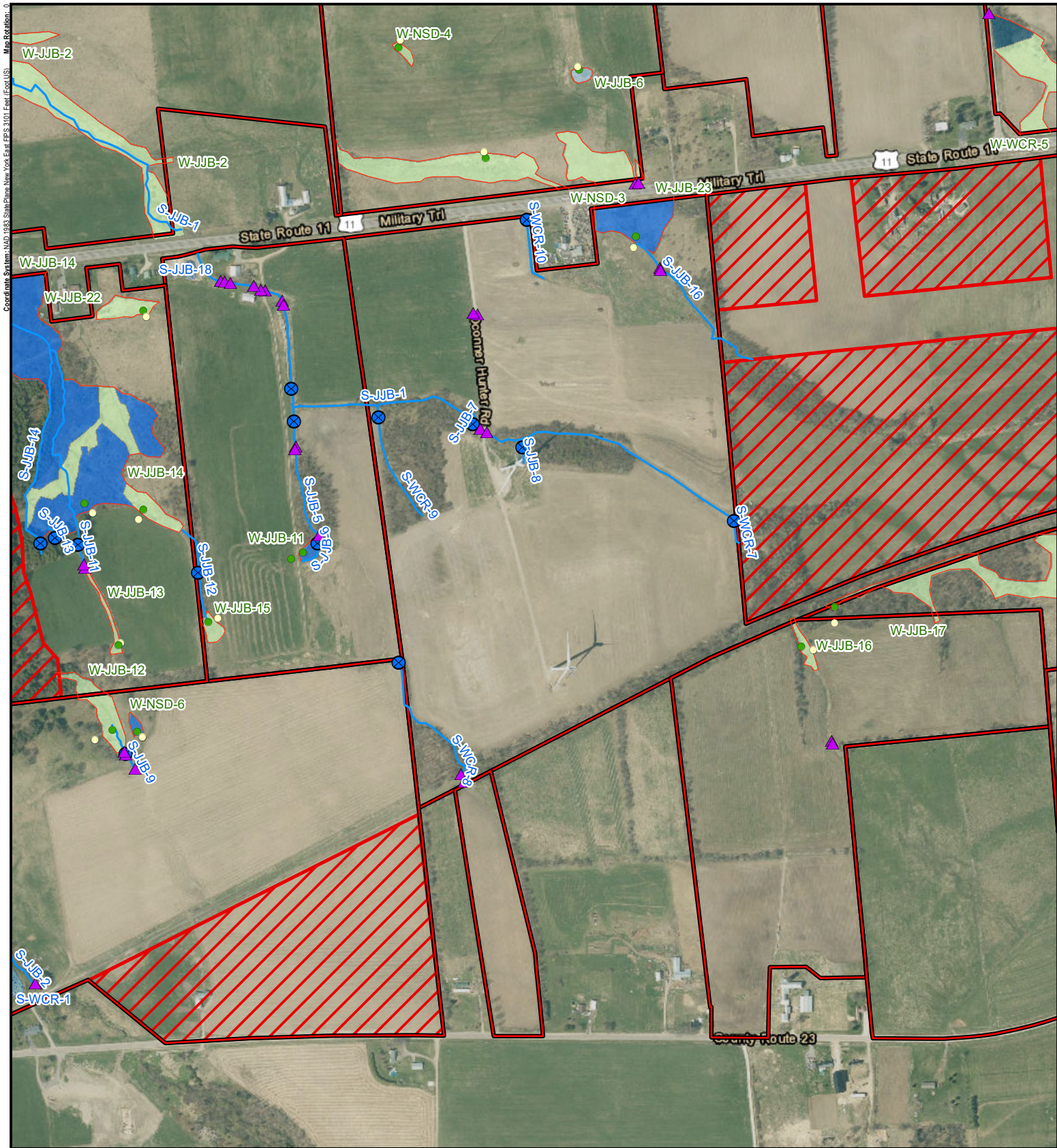
1:8,000 1" = 667' 0 250 500 Feet

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 4 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 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

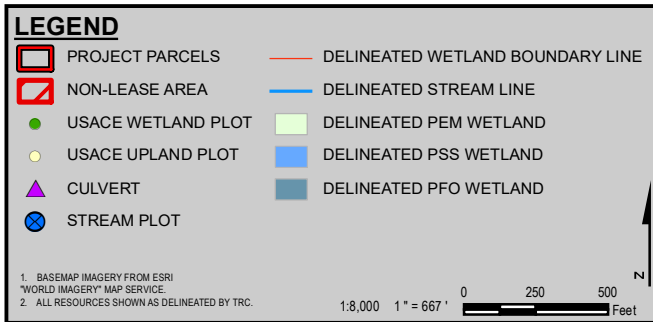
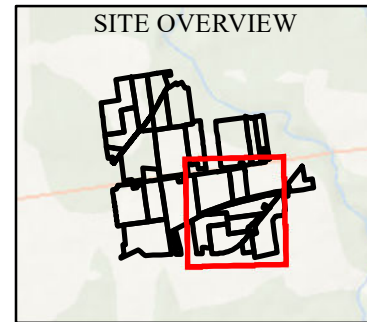
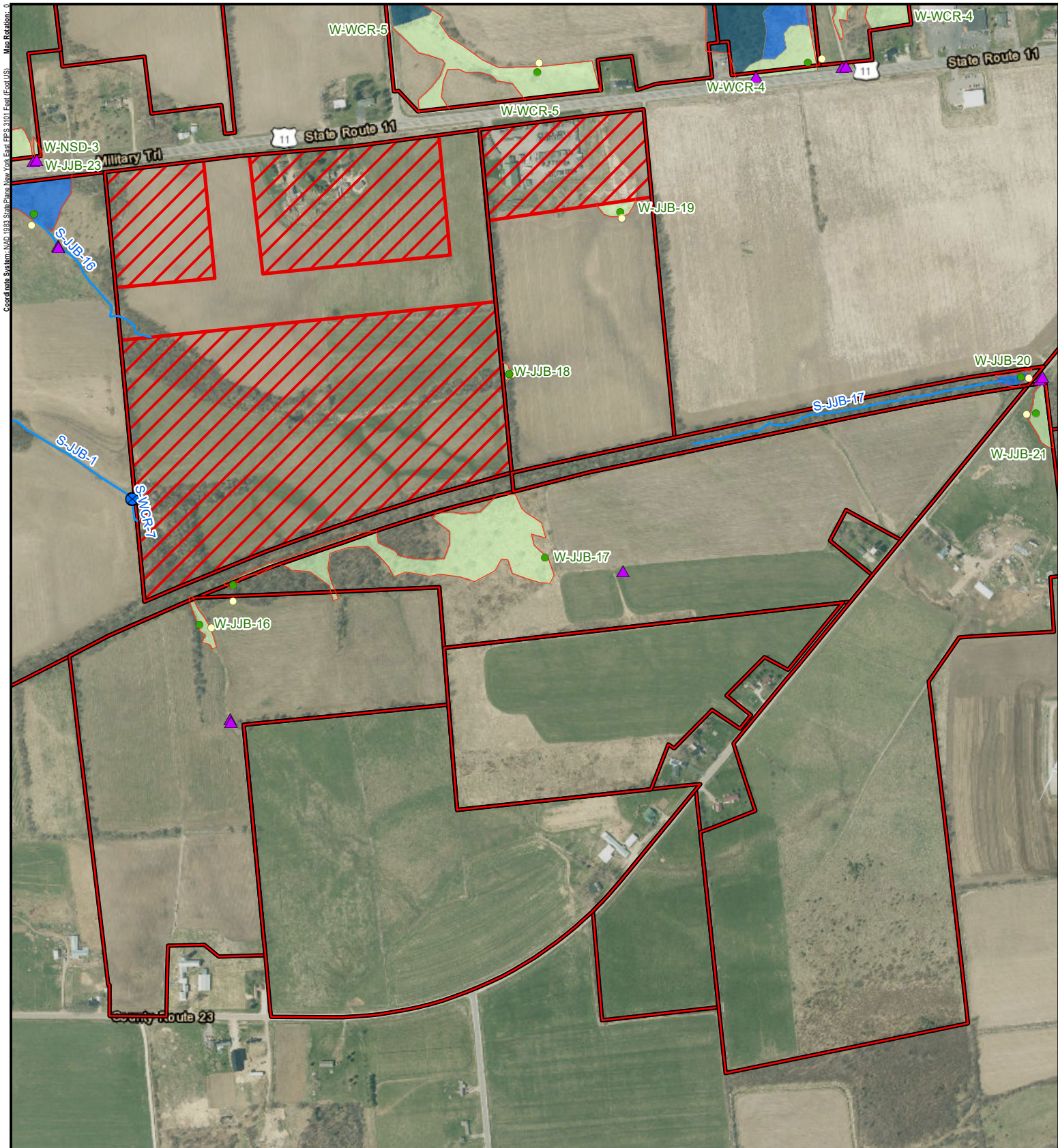
TITLE: **DELINEATED RESOURCES BY TYPE**

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

FIGURE 4
SHEET 5 OF 7

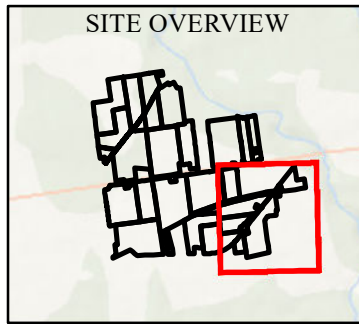
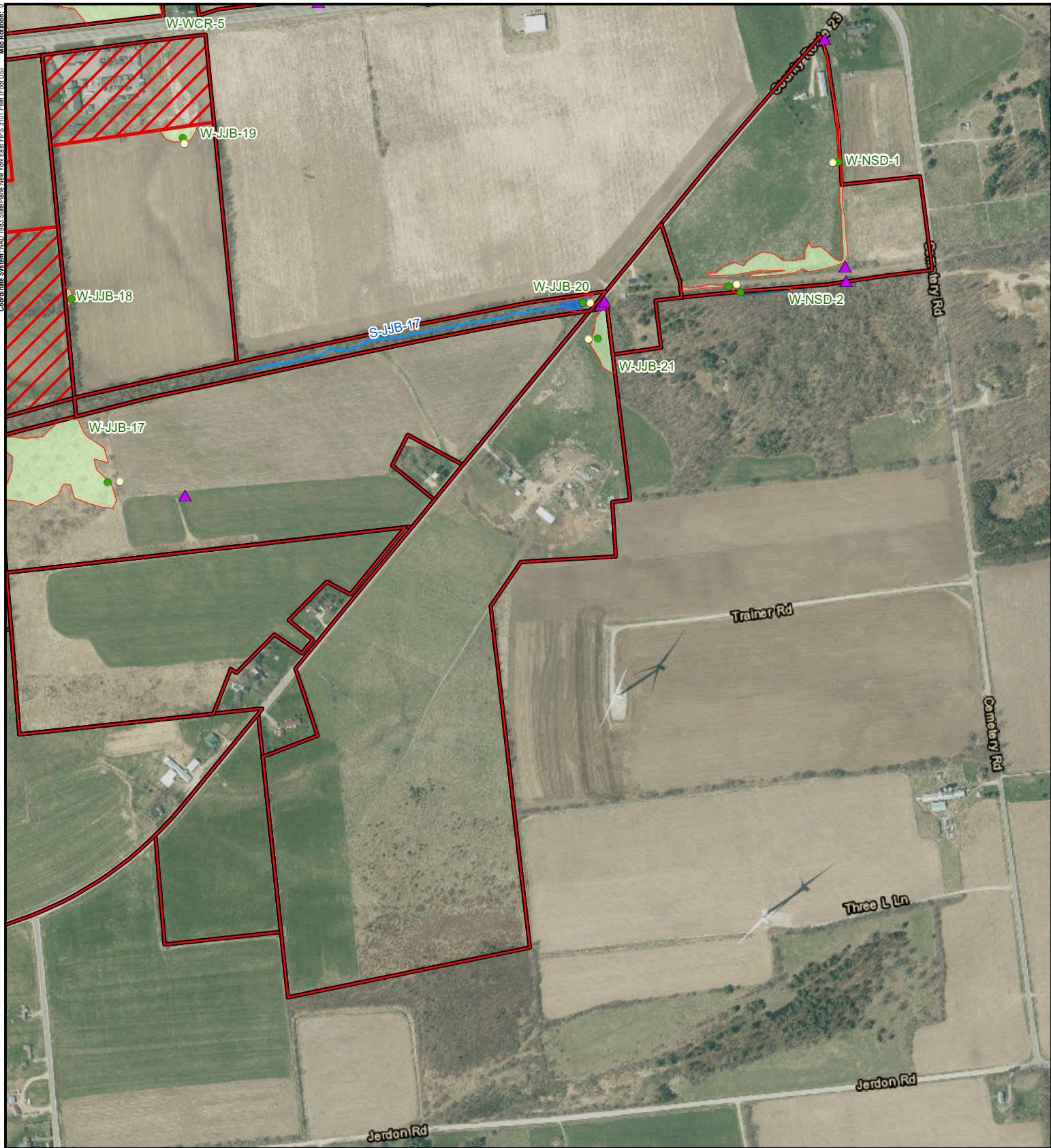
TRC
215 GREENFIELD PKWY, STE 102
LIVERPOOL, NY 13088

aes



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

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Good US) Map Resolution: 0



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

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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.

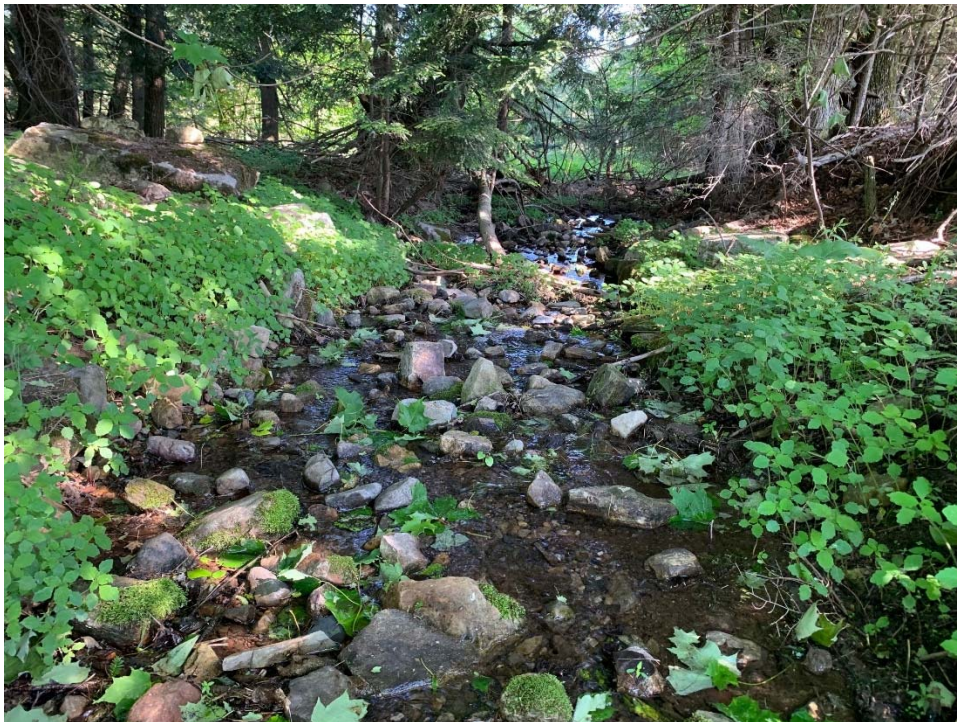


Photo 37. Perennial stream S-JJB-11, facing south.

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 ____	
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: <u>W-JJB-01</u>
Remarks: (Explain alternative procedures here or in a separate report) Covertypes is PEM. Agriculture field.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 checked="" 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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (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:					

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-01_PEM-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>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. _____	_____	_____	_____	
	85	= Total Cover		
Woody Vine Stratum (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: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 30	x 1 = 30
FACW species 55	x 2 = 110
FAC species 0	x 3 = 0
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 85	(A) 140 (B)
Prevalence Index = B/A = 1.6	

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.

SOIL

Sampling Point: W-JJB-01 PEM-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
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-JJB-01 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>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. _____	_____	_____	_____	
	120	= Total Cover		
Woody Vine Stratum (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: 4 (B)

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

Prevalence Index worksheet:

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	95 x 4 = 380
UPL species	0 x 5 = 0
Column Totals	95 (A) 380 (B)
Prevalence Index = B/A = 4	

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-JJB-01 UPL-1

[illegible]

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 ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: <u>W-JJB-01</u>	
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____		
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)				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"/> Drainage Patterns (B10)			
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Moss Trim Lines (B16)		<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Crayfish Burrows (C8)		<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Stunted or Stressed Plants (D1)		<input checked="" type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Shallow Aquitard (D3)		<input type="checkbox"/> Microtopographic Relief (D4)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> FAC-Neutral Test (D5)					
<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)							
Field Observations: Surface Water Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (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:							

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-01_PEM-2

Tree Stratum (Plot size: <u>30 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	

Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	

Herb Stratum (Plot size: <u>5 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
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>)		Absolute % Cover	Dominant Species?	Indicator Status
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	0 x 1 = 0
FACW species	0 x 2 = 0
FAC species	0 x 3 = 0
FACU species	0 x 4 = 0
UPL species	0 x 5 = 0
Column Totals	0 (A) 0 (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.)

SOIL

Sampling Point: W-JJB-01 PEM-2

[illegible]

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: 44.9292080803 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)		Secondary Indicators (minimum of two required)	
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<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:			

Sampling Point: W-JJB-01 UPL-2

Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet:			
	Absolute % Cover	Dominant Species?	Indicator Status	Number of Dominant Species That Are OBL, FACW, or FAC:			
1.				0			(A)
2.				1			(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
	0	= Total Cover		FAC species	0	x 3 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FACU species	5	x 4 =	20
1.				UPL species	0	x 5 =	0
2.				Column Totals	5	(A)	20 (B)
3.				Prevalence Index = B/A =			4
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			
	0	= Total Cover		___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
Herb Stratum (Plot size: 5 ft)				___ Problematic Hydrophytic Vegetation ¹ (Explain)			
1. <i>Poaceae</i>	90	Yes	NI	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. <i>Trifolium pratense</i>	5	No	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.							
	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

Sampling Point: W-JJB-01 UPL-2

[illegible]

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 ____	
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: <u>W-JJB-02</u>
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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 checked="" 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): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>1</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:					

Sampling Point: W-JJB-02 PEM-1

Tree Stratum (Plot size: 30 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Herb Stratum (Plot size: 5 ft)			Absolute % Cover	Dominant Species?	Indicator Status
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.					
			90	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

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

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 40	x 1 = 40
FACW species 30	x 2 = 60
FAC species 15	x 3 = 45
FACU species 5	x 4 = 20
UPL species 0	x 5 = 0
Column Totals 90	(A) 165 (B)
Prevalence Index = B/A = 1.8	

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 ☐

SOIL

Sampling Point: W-JJB-02 PEM-1

[illegible]

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 ____	
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: <u>W-JJB-02</u>
Remarks: (Explain alternative procedures here or in a separate report) Covertypes is PSS.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 checked="" 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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ 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)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
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

Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1.				Number of Dominant Species That Are OBL, FACW, or FAC:	<u>4</u> (A)
2.				Total Number of Dominant Species Across All Strata:	<u>4</u> (B)
3.				Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>100</u> (A/B)
4.				Prevalence Index worksheet:	
5.				Total % Cover of:	Multiply By:
6.				OBL species	<u>0</u> x 1 = <u>0</u>
7.				FACW species	<u>80</u> x 2 = <u>160</u>
	<u>0</u>	= Total Cover		FAC species	<u>55</u> x 3 = <u>165</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FACU species	<u>0</u> x 4 = <u>0</u>
1. <i>Alnus incana</i>	<u>60</u>	Yes	FACW	UPL species	<u>0</u> x 5 = <u>0</u>
2.				Column Totals	<u>135</u> (A) <u>325</u> (B)
3.				Prevalence Index = B/A = <u>2.4</u>	
4.				Hydrophytic Vegetation Indicators:	
5.				<u> </u> 1- Rapid Test for Hydrophytic Vegetation	
6.				<input checked="" type="checkbox"/> 2 - Dominance Test is >50%	
7.				<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹	
	<u>60</u>	= Total Cover		<u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
Herb Stratum (Plot size: <u>5 ft</u>)				<u> </u> Problematic Hydrophytic Vegetation ¹ (Explain)	
1. <i>Solidago rugosa</i>	<u>40</u>	Yes	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Solidago gigantea</i>	<u>20</u>	Yes	FACW	Definitions of Vegetation Strata:	
3. <i>Euthamia graminifolia</i>	<u>15</u>	Yes	FAC	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 <input checked="" type="checkbox"/> No <u> </u>	
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			
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: W-JJB-02 PSS-1

[illegible]

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"/>	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)			
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):			
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-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>	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. _____	_____	_____	_____	
	115	= Total Cover		
Woody Vine Stratum (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: 2 (B)

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

Prevalence Index worksheet:

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	115 x 4 = 460
UPL species	0 x 5 = 0
Column Totals	115 (A) 460 (B)
Prevalence Index = B/A = 4	

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.

SOIL

Sampling Point: W-JJB-02 UPL-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)			Wetland Hydrology Present? Yes ____ 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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>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: <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: 2 (B)

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

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species	0 x 1 = 0
FACW species	0 x 2 = 0
FAC species	20 x 3 = 60
FACU species	85 x 4 = 340
UPL species	0 x 5 = 0
Column Totals	105 (A) 400 (B)
Prevalence Index = B/A = 3.8	

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.

SOIL

Sampling Point: W-JJB-02 UPL-2

[illegible]

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 ____	
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: <u>W-JJB-03</u>
Remarks: (Explain alternative procedures here or in a separate report) Coverttype is PEM. Roadside Ditch.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 checked="" 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): _____ 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)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>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. _____	_____	_____	_____	
	100	= Total Cover		
Woody Vine Stratum (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: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species	0 x 1 = 0
FACW species	60 x 2 = 120
FAC species	25 x 3 = 75
FACU species	15 x 4 = 60
UPL species	0 x 5 = 0
Column Totals	100 (A) 255 (B)
Prevalence Index = B/A = 2.6	

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.)

Maintained road shoulder.

SOIL

Sampling Point: W-JJB-03_PEM-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes ____ No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____	
Wetland Hydrology Present?	Yes ____ 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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>
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-JJB-03 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>1</u>	(B)		
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)		
4. _____	_____	_____	_____	Prevalence Index worksheet:				
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:		
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>	
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>	
	<u>0</u>	= Total Cover			FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	<u>105</u>	x 4 =	<u>420</u>	
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>	
2. _____	_____	_____	_____	Column Totals	<u>105</u>	(A)	<u>420</u> (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				
	<u>0</u>	= 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>Poa pratensis</i>	<u>80</u>	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
2. <i>Trifolium repens</i>	<u>15</u>	No	FACU	Definitions of Vegetation Strata:				
3. <i>Vicia americana</i>	<u>10</u>	No	FACU	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 <u>✓</u>				
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.)								

SOIL

Sampling Point: W-JJB-03_UPL-1

[illegible]

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 ____	
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: <u>W-JJB-04</u>
Remarks: (Explain alternative procedures here or in a separate report) Coverttype is PEM. Wetland was PFO, recently clear cut.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>				<u>Secondary Indicators (minimum of two required)</u>			
<input checked="" 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 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>	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____			
Water Table Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>4</u>				
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.							

Sampling Point: W-JJB-04 PEM-1

Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1.				Number of Dominant Species That Are OBL, FACW, or FAC:	2 (A)
2.				Total Number of Dominant Species Across All Strata:	2 (B)
3.				Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
4.				Prevalence Index worksheet:	
5.				Total % Cover of:	Multiply By:
6.				OBL species	0 x 1 = 0
7.				FACW species	80 x 2 = 160
	0	= Total Cover		FAC species	10 x 3 = 30
Sapling/Shrub Stratum (Plot size: 15 ft)				FACU species	0 x 4 = 0
1.				UPL species	0 x 5 = 0
2.				Column Totals	90 (A) 190 (B)
3.				Prevalence Index = B/A = 2.1	
4.				Hydrophytic Vegetation Indicators:	
5.				<input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation	
6.				<input checked="" type="checkbox"/> 2 - Dominance Test is >50%	
7.				<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹	
	0	= Total Cover		4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
Herb Stratum (Plot size: 5 ft)				<input checked="" type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
1.	<i>Onoclea sensibilis</i>	50	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
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.					
		90	= Total Cover		
Woody Vine Stratum (Plot size: 30 ft)				Definitions of Vegetation Strata:	
1.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
2.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.	
3.				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
4.				Woody vines – All woody vines greater than 3.28 ft in height.	
		0	= Total Cover		Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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

Area was clear cut.

SOIL

Sampling Point: W-JJB-04 PEM-1

[illegible]

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): _____ 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-04 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>	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. _____	_____	_____	_____	
	100	= Total Cover		
Woody Vine Stratum (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	0 x 1 = 0
FACW species	0 x 2 = 0
FAC species	0 x 3 = 0
FACU species	100 x 4 = 400
UPL species	0 x 5 = 0
Column Totals	100 (A) 400 (B)
Prevalence Index = B/A = 4	

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.

SOIL

Sampling Point: W-JJB-04 UPL-1

[illegible]

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"/>	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-05
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
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): <input type="text"/>
Water Table Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <input type="text" value="6"/>
Saturation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <input type="text" value="0"/>
(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-05 PSS-1

Tree Stratum (Plot size: 30 ft)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft)		Absolute % Cover	Dominant Species?	Indicator Status
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.				
		80	= Total Cover	
Herb Stratum (Plot size: 5 ft)		Absolute % Cover	Dominant Species?	Indicator Status
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.				
		50	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
		0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply By:	
OBL species	20	x 1 =	20
FACW species	70	x 2 =	140
FAC species	40	x 3 =	120
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals	130	(A)	280 (B)
Prevalence Index = B/A =		2.2	

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-JJB-05 PSS-1

[illegible]

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"/>	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. 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): <input type="text"/>
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
Saturation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
(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-05 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>2</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	<u>60</u>	x 4 =	<u>240</u>
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>
2. _____	_____	_____	_____	Column Totals	<u>60</u>	(A)	<u>240</u> (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			
	<u>0</u>	= 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>Fragaria virginiana</i>	<u>40</u>	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. <i>Ambrosia artemisiifolia</i>	<u>20</u>	Yes	FACU				
3. _____	_____	_____	_____	Definitions of Vegetation Strata:			
4. _____	_____	_____	_____	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
5. _____	_____	_____	_____	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
6. _____	_____	_____	_____	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
7. _____	_____	_____	_____	Woody vines – All woody vines greater than 3.28 ft in height.			
8. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>			
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					
Remarks: (Include photo numbers here or on a separate sheet.) Area recently clear cut.							

SOIL

Sampling Point: W-JJB-05_UPL-1

[illegible]

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: <u>W-JJB-06</u>
Remarks: (Explain alternative procedures here or in a separate report) Coverttype is PUB. Artificial pond.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>				<u>Secondary Indicators (minimum of two required)</u>			
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)		<input type="checkbox"/> Drainage Patterns (B10)			
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Moss Trim Lines (B16)		<input type="checkbox"/> Dry-Season Water Table (C2)			
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Crayfish Burrows (C8)		<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Stunted or Stressed Plants (D1)		<input checked="" type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Shallow Aquitard (D3)		<input type="checkbox"/> Microtopographic Relief (D4)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)					
<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)							
Field Observations: Surface Water Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>24</u> Water Table Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>0</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:							

Sampling Point: W-JJB-06 PUB-1

Tree Stratum (Plot size: 30 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Herb Stratum (Plot size: 5 ft)			Absolute % Cover	Dominant Species?	Indicator Status
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.					
			65	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 45	x 1 = 45
FACW species 20	x 2 = 40
FAC species 0	x 3 = 0
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 65	(A) 85 (B)

Prevalence Index = B/A = 1.3

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-JJB-06 PUB-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)			Wetland Hydrology Present? Yes ____ 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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>2</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	<u>120</u>	x 4 =	<u>480</u>
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>
2. _____	_____	_____	_____	Column Totals	<u>120</u>	(A)	<u>480</u> (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			
	<u>0</u>	= 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>Poa pratensis</i>	<u>60</u>	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. <i>Dactylis glomerata</i>	<u>30</u>	Yes	FACU	Definitions of Vegetation Strata:			
3. <i>Galium mollugo</i>	<u>20</u>	No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
4. <i>Vicia americana</i>	<u>10</u>	No	FACU	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 <u>✓</u>			
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.							

SOIL

Sampling Point: W-JJB-06 UPL-1

[illegible]

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"/>	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-07
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. 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 checked="" 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): <input type="text"/>
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
Saturation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <input type="text" value="0"/>
(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-07 PSS-1

Tree Stratum (Plot size: <u>30 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Salix nigra</i>		20	Yes	OBL
2.	<i>Salix bebbiana</i>		15	Yes	FACW
3.					
4.					
5.					
6.					
7.					
			35	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
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.					
			80	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

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>	

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-JJB-07 PSS-1

[illegible]

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"/>	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. 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): <input type="text"/>
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
Saturation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
(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-07 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	2	(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	
	0	= Total Cover			FAC species	0	x 3 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	175	x 4 =	700	
1. _____	_____	_____	_____	UPL species	0	x 5 =	0	
2. _____	_____	_____	_____	Column Totals	175	(A)	700 (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				
	0	= 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>Poa pratensis</i>	80	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
2. <i>Dactylis glomerata</i>	60	Yes	FACU	Definitions of Vegetation Strata:				
3. <i>Galium mollugo</i>	20	No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
4. <i>Trifolium repens</i>	15	No	FACU	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 <u>✓</u>				
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.								

SOIL

Sampling Point: W-JJB-07 UPL-1

[illegible]

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 ____	
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: <u>W-JJB-08</u>
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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 checked="" 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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ 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)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
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

Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Fraxinus pennsylvanica</i>	30	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:	5 (A)
2. <i>Acer negundo</i>	20	Yes	FAC	Total Number of Dominant Species Across All Strata:	5 (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet:	
5. _____	_____	_____	_____	Total % Cover of: Multiply By:	
6. _____	_____	_____	_____	OBL species	0 x 1 = 0
7. _____	_____	_____	_____	FACW species	130 x 2 = 260
	50 = Total Cover			FAC species	20 x 3 = 60
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FACU species	0 x 4 = 0
1. <i>Viburnum nudum</i>	20	Yes	FACW	UPL species	0 x 5 = 0
2. _____	_____	_____	_____	Column Totals	150 (A) 320 (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = 2.1	
4. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:	
5. _____	_____	_____	_____	1- Rapid Test for Hydrophytic Vegetation	
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%	
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹	
	20 = 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>Onoclea sensibilis</i>	60	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Impatiens capensis</i>	20	Yes	FACW	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 <input checked="" type="checkbox"/> No _____	
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	80 = 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.)					

SOIL

Sampling Point: W-JJB-08 PFO-1

[illegible]

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): _____ 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-08 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>2</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	<u>145</u>	x 4 =	<u>580</u>
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>
2. _____	_____	_____	_____	Column Totals	<u>145</u>	(A)	<u>580</u> (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			
	<u>0</u>	= 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>Dactylis glomerata</i>	<u>75</u>	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. <i>Galium mollugo</i>	<u>50</u>	Yes	FACU	Definitions of Vegetation Strata:			
3. <i>Trifolium hybridum</i>	<u>20</u>	No	FACU	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 <u>✓</u>			
8. _____	_____	_____	_____				
9. _____	_____	_____	_____				
10. _____	_____	_____	_____				
11. _____	_____	_____	_____				
12. _____	_____	_____	_____				
	<u>145</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.							

SOIL

Sampling Point: W-JJB-08 UPL-1

[illegible]

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 ____	
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: <u>W-JJB-09</u>
Remarks: (Explain alternative procedures here or in a separate report) Coverttype is PEM.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 checked="" 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): _____ 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)			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.					

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-09 PEM-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																									
1. _____	_____	_____	_____	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)																																								
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
0 = 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%; text-align: left;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%;">Multiply By:</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;">0</td> <td>x 1 =</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;">100</td> <td>x 2 =</td> <td style="text-align: center;">200</td> <td></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;">0</td> <td>x 3 =</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;">0</td> <td>x 4 =</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;">0</td> <td>x 5 =</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;">100</td> <td>(A)</td> <td style="text-align: center;">200</td> <td>(B)</td> </tr> <tr> <td colspan="5" style="text-align: center;">Prevalence Index = B/A = <u>2</u></td> </tr> </tbody> </table>	Total % Cover of:		Multiply By:			OBL species	0	x 1 =	0		FACW species	100	x 2 =	200		FAC species	0	x 3 =	0		FACU species	0	x 4 =	0		UPL species	0	x 5 =	0		Column Totals	100	(A)	200	(B)	Prevalence Index = B/A = <u>2</u>				
Total % Cover of:		Multiply By:																																										
OBL species	0	x 1 =	0																																									
FACW species	100	x 2 =	200																																									
FAC species	0	x 3 =	0																																									
FACU species	0	x 4 =	0																																									
UPL species	0	x 5 =	0																																									
Column Totals	100	(A)	200	(B)																																								
Prevalence Index = B/A = <u>2</u>																																												
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2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
0 = 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 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																																								
1. <i>Onoclea sensibilis</i>	80	Yes	FACW																																									
2. <i>Impatiens capensis</i>	20	Yes	FACW																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
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10. _____	_____	_____	_____																																									
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12. _____	_____	_____	_____																																									
100 = 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. _____	_____	_____	_____																																									
0 = Total Cover																																												
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-09 PEM-1

[illegible]

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"/>	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)			
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):			
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-09 UPL-1

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

SOIL

Sampling Point: W-JJB-09_UPL-1

[illegible]

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 ____	
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: <u>W-JJB-10</u>
Remarks: (Explain alternative procedures here or in a separate report) Coverttype 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 checked="" 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): _____ 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)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

Sampling Point: W-JJB-10 PEM-1

Tree Stratum (Plot size: <u>30 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
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>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.					
			55	= 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.)

Recent logging activity.

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 0	x 1 = 0
FACW species 55	x 2 = 110
FAC species 0	x 3 = 0
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 55	(A) 110 (B)
Prevalence Index = B/A = 2	

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 ☐

SOIL

Sampling Point: W-JJB-10 PEM-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
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-JJB-10 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	2	(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	
	0	= Total Cover			FAC species	10	x 3 =	30
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	140	x 4 =	560	
1. _____	_____	_____	_____	UPL species	0	x 5 =	0	
2. _____	_____	_____	_____	Column Totals	150	(A)	590 (B)	
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>3.9</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				
	0	= 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>Dactylis glomerata</i>	80	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
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. _____	_____	_____	_____	Definitions of Vegetation Strata:				
6. _____	_____	_____	_____	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
7. _____	_____	_____	_____	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
8. _____	_____	_____	_____	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
9. _____	_____	_____	_____	Woody vines – All woody vines greater than 3.28 ft in height.				
10. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>				
11. _____	_____	_____	_____					
12. _____	_____	_____	_____					
	150	= 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.								

SOIL

Sampling Point: W-JJB-10_UPL-1

[illegible]

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: <u>W-JJB-11</u>
Remarks: (Explain alternative procedures here or in a separate report) Covertypes is PSS. Ag activity.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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): _____ 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)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
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

Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>4</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>4</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>100</u> (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet:	
5. _____	_____	_____	_____	Total % Cover of:	Multiply By:
6. _____	_____	_____	_____	OBL species	<u>45</u> x 1 = <u>45</u>
7. _____	_____	_____	_____	FACW species	<u>115</u> x 2 = <u>230</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u> x 3 = <u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FACU species	<u>0</u> x 4 = <u>0</u>
1. <i>Salix bebbiana</i>	<u>25</u>	Yes	FACW	UPL species	<u>0</u> x 5 = <u>0</u>
2. <i>Salix nigra</i>	<u>15</u>	Yes	OBL	Column Totals	<u>160</u> (A) <u>275</u> (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>1.7</u>	
4. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:	
5. _____	_____	_____	_____	<input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation	
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%	
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹	
	<u>40</u>	= Total Cover		<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
Herb Stratum (Plot size: <u>5 ft</u>)				<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
1. <i>Onoclea sensibilis</i>	<u>70</u>	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Juncus effusus</i>	<u>30</u>	Yes	OBL	Definitions of Vegetation Strata:	
3. <i>Solidago gigantea</i>	<u>20</u>	No	FACW	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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	
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-11 PSS-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)			Wetland Hydrology Present? Yes ____ 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-11 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>2</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	<u>115</u>	x 4 =	<u>460</u>
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>
2. _____	_____	_____	_____	Column Totals	<u>115</u>	(A)	<u>460</u> (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			
	<u>0</u>	= 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>Poa pratensis</i>	<u>70</u>	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. <i>Trifolium pratense</i>	<u>30</u>	Yes	FACU	Definitions of Vegetation Strata:			
3. <i>Taraxacum officinale</i>	<u>15</u>	No	FACU	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 <u>✓</u>			
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.) Active agricultural field.							

SOIL

Sampling Point: W-JJB-11 UPL-1

[illegible]

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: <u>W-JJB-12</u>
Remarks: (Explain alternative procedures here or in a separate report) Coverttype is PEM.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 checked="" 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): _____ 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)			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.					

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-12 PEM-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	3	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	3	(B)		
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)		
4. _____	_____	_____	_____	Prevalence Index worksheet:				
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:		
6. _____	_____	_____	_____	OBL species	80	x 1 =	80	
7. _____	_____	_____	_____	FACW species	35	x 2 =	70	
	0	= Total Cover			FAC species	0	x 3 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	0	x 4 =	0	
1. _____	_____	_____	_____	UPL species	0	x 5 =	0	
2. _____	_____	_____	_____	Column Totals	115	(A)	150 (B)	
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>1.3</u>				
4. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:				
5. _____	_____	_____	_____	<input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation				
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%				
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹				
	0	= Total Cover			<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
Herb Stratum (Plot size: <u>5 ft</u>)	_____	_____	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)				
1. <i>Carex vulpinoidea</i>	50	Yes	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
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. _____	_____	_____	_____	Definitions of Vegetation Strata:				
6. _____	_____	_____	_____	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
7. _____	_____	_____	_____	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
8. _____	_____	_____	_____	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
9. _____	_____	_____	_____	Woody vines – All woody vines greater than 3.28 ft in height.				
10. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
11. _____	_____	_____	_____					
12. _____	_____	_____	_____					
	115	= 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.)								

SOIL

Sampling Point: W-JJB-12_PEM-1

[illegible]

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"/>	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)			
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):			
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-12 UPL-1

Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet:			
	Absolute % Cover	Dominant Species?	Indicator Status	Number of Dominant Species That Are OBL, FACW, or FAC:			
1. <i>Acer saccharum</i>	60	Yes	FACU	0			(A)
2.				Total Number of Dominant Species Across All Strata:			3 (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
	60	= Total Cover		FAC species	0	x 3 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FACU species	155	x 4 =	620
1.				UPL species	0	x 5 =	0
2.				Column Totals	155	(A)	620 (B)
3.				Prevalence Index = B/A =			4
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			
	0	= Total Cover		4- Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
Herb Stratum (Plot size: 5 ft)				Problematic Hydrophytic Vegetation ¹ (Explain)			
1. <i>Dactylis glomerata</i>	75	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. <i>Acer saccharum</i>	20	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.							
	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

Sampling Point: W-JJB-12 UPL-1

[illegible]

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 ____	
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: <u>W-JJB-13</u>
Remarks: (Explain alternative procedures here or in a separate report) Coverttype is PEM. Ag ditch.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 checked="" 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): _____ 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)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>Onoclea sensibilis</i>	40	Yes	FACW	
2. <i>Symphyotrichum puniceum</i>	30	Yes	OBL	
3. <i>Typha latifolia</i>	20	Yes	OBL	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
	90	= Total Cover		
Woody Vine Stratum (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: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 50	x 1 = 50
FACW species 40	x 2 = 80
FAC species 0	x 3 = 0
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 90	(A) 130 (B)

Prevalence Index = B/A = 1.4

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-JJB-13 PEM-1

[illegible]

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_UPL-1
 Investigator(s): Jake Brillo, Matt Boscow Section, Township, Range:
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): 1 to 3
 Subregion (LRR or MLRA): LRR R Lat: 44.9167135125 Long: -74.1350863875 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 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. Recently cut hay fields .			

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):			
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-13 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>2</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	<u>70</u>	x 4 =	<u>280</u>
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>
2. _____	_____	_____	_____	Column Totals	<u>70</u>	(A)	<u>280</u> (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			
	<u>0</u>	= 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>Anthoxanthum odoratum</i>	<u>40</u>	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. <i>Dactylis glomerata</i>	<u>30</u>	Yes	FACU				
3. _____	_____	_____	_____	Definitions of Vegetation Strata:			
4. _____	_____	_____	_____	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
5. _____	_____	_____	_____	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
6. _____	_____	_____	_____	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
7. _____	_____	_____	_____	Woody vines – All woody vines greater than 3.28 ft in height.			
8. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>			
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					
Remarks: (Include photo numbers here or on a separate sheet.)							

SOIL

Sampling Point: W-JJB-13 UPL-1

[illegible]

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_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: 44.9186237902 Long: -74.1346290708 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: <u>W-JJB-14</u>
Remarks: (Explain alternative procedures here or in a separate report) Covertypes is PEM. Near Ag field .		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 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): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>6</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:					

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-14 PEM-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>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. _____	_____	_____	_____	
	140	= Total Cover		
Woody Vine Stratum (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: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 40	x 1 = 40
FACW species 100	x 2 = 200
FAC species 0	x 3 = 0
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 140	(A) 240 (B)

Prevalence Index = B/A = 1.7

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-JJB-14 PEM-1

[illegible]

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"/>	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-14
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) <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 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): <input type="text"/> Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/> Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <input type="text"/> 0 (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-14 PSS-1

Tree Stratum (Plot size: 30 ft)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft)		Absolute % Cover	Dominant Species?	Indicator Status
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.				
		90	= Total Cover	
Herb Stratum (Plot size: 5 ft)		Absolute % Cover	Dominant Species?	Indicator Status
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.				
		90	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
		0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply By:	
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>	

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-JJB-14 PSS-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)			Wetland Hydrology Present? Yes ____ 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-14 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>Anthoxanthum odoratum</i>	70	Yes	FACU	
2. <i>Dactylis glomerata</i>	20	Yes	FACU	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
	90	= Total Cover		
Woody Vine Stratum (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: 2 (B)

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

Prevalence Index worksheet:

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 = 4

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. Recently cut.

SOIL

Sampling Point: W-JJB-14 UPL-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
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-JJB-14 UPL-2

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>Dactylis glomerata</i>	70	Yes	FACU	
2. <i>Anthoxanthum odoratum</i>	30	Yes	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		

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 2 (B)

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

Prevalence Index worksheet:

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 100	x 4 = 400
UPL species 0	x 5 = 0
Column Totals 100	(A) 400 (B)

Prevalence Index = B/A = 4

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.

SOIL

Sampling Point: W-JJB-14 UPL-2

[illegible]

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 ____	
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: <u>W-JJB-15</u>
Remarks: (Explain alternative procedures here or in a separate report) Coverttype is PEM. Ag activity near by.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>				<u>Secondary Indicators (minimum of two required)</u>			
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)		<input type="checkbox"/> Drainage Patterns (B10)			
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Moss Trim Lines (B16)		<input type="checkbox"/> Dry-Season Water Table (C2)			
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Crayfish Burrows (C8)		<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Stunted or Stressed Plants (D1)		<input checked="" type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Shallow Aquitard (D3)		<input type="checkbox"/> Microtopographic Relief (D4)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)					
<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)							
Field Observations: Surface Water Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>1</u> 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)				Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____			
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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>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. _____	_____	_____	_____	
	90	= Total Cover		
Woody Vine Stratum (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: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 10	x 1 = 10
FACW species 60	x 2 = 120
FAC species 20	x 3 = 60
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 90	(A) 190 (B)

Prevalence Index = B/A = 2.1

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-JJB-15_PEM-1

[illegible]

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): _____ 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-15 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	2	(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	
	0	= Total Cover			FAC species	0	x 3 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FACU species	80	x 4 =	320	
1. _____	_____	_____	_____	UPL species	0	x 5 =	0	
2. _____	_____	_____	_____	Column Totals	80	(A)	320 (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				
	0	= 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>Dactylis glomerata</i>	60	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
2. <i>Plantago major</i>	20	Yes	FACU					
3. _____	_____	_____	_____	Definitions of Vegetation Strata:				
4. _____	_____	_____	_____	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
5. _____	_____	_____	_____	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
6. _____	_____	_____	_____	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
7. _____	_____	_____	_____	Woody vines – All woody vines greater than 3.28 ft in height.				
8. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>				
9. _____	_____	_____	_____					
10. _____	_____	_____	_____					
11. _____	_____	_____	_____					
12. _____	_____	_____	_____					
	80	= 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.)								
Active agricultural field.								

SOIL

Sampling Point: W-JJB-15 UPL-1

[illegible]

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 <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-16
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. Near agricultural land .			

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 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): <input type="text"/> Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/> Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <input type="text"/> 0 (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:					

Sampling Point: W-JJB-16 PEM-1

Northcentral and Northeast Region -- Version 2.0 Adapted by TRC

SOIL

Sampling Point: W-JJB-16 PEM-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)			Wetland Hydrology Present? Yes ____ 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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>1</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	<u>0</u>	x 4 =	<u>0</u>
1. _____	_____	_____	_____	UPL species	<u>40</u>	x 5 =	<u>200</u>
2. _____	_____	_____	_____	Column Totals	<u>40</u>	(A)	<u>200</u> (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>5</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			
	<u>0</u>	= 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>Zea mays</i>	<u>40</u>	Yes	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. _____	_____	_____	_____	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 <u>✓</u>			
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					
Remarks: (Include photo numbers here or on a separate sheet.) Active agricultural field.							

SOIL

Sampling Point: W-JJB-16_UPL-1

[illegible]

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 ____	
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: <u>W-JJB-17</u>
Remarks: (Explain alternative procedures here or in a separate report) Coverttype is PEM.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 checked="" 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): _____ 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)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>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. _____	_____	_____	_____	
	105	= Total Cover		
Woody Vine Stratum (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: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 30	x 1 = 30
FACW species 75	x 2 = 150
FAC species 0	x 3 = 0
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 105	(A) 180 (B)

Prevalence Index = B/A = 1.7

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-JJB-17 PEM-1

[illegible]

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-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: 44.9175651558 Long: -74.1147844122 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 ____	
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: <u>W-JJB-17</u>
Remarks: (Explain alternative procedures here or in a separate report) Coverttype is PEM. Recently (2-5 years) cleared forest .		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 checked="" 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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ 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)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
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-2

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>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. _____	_____	_____	_____	
	90	= Total Cover		
Woody Vine Stratum (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: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 40	x 1 = 40
FACW species 50	x 2 = 100
FAC species 0	x 3 = 0
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 90	(A) 140 (B)
Prevalence Index = B/A = 1.6	

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-JJB-17 PEM-2

[illegible]

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"/>	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 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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>1</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	<u>0</u>	x 4 =	<u>0</u>
1. _____	_____	_____	_____	UPL species	<u>20</u>	x 5 =	<u>100</u>
2. _____	_____	_____	_____	Column Totals	<u>20</u>	(A)	<u>100</u> (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>5</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			
	<u>0</u>	= 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>Zea mays</i>	<u>20</u>	Yes	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. _____	_____	_____	_____	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 <u>✓</u>			
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.							

SOIL

Sampling Point: W-JJB-17 UPL-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>
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-JJB-17 UPL-2

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>2</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	<u>90</u>	x 4 =	<u>360</u>
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>
2. _____	_____	_____	_____	Column Totals	<u>90</u>	(A)	<u>360</u> (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			
	<u>0</u>	= 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>Cerastium fontanum</i>	<u>60</u>	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. <i>Dactylis glomerata</i>	<u>20</u>	Yes	FACU	Definitions of Vegetation Strata:			
3. <i>Anthoxanthum odoratum</i>	<u>10</u>	No	FACU	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 <u>✓</u>			
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.) Fallow field.							

SOIL

Sampling Point: W-JJB-17_UPL-2

[illegible]

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Brookside Solar City/County: Chateaugay, Franklin Sampling Date: 2020-June-18
 Applicant/Owner: Geronimo State: NY Sampling Point: W-JJB-18_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: 44.9201356341 Long: -74.115551021 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 ____	
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: <u>W-JJB-18</u>
Remarks: (Explain alternative procedures here or in a separate report) Coverttype is PEM.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 checked="" 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): _____ 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)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

Sampling Point: W-JJB-18 PEM-1

Tree Stratum (Plot size: 30 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Herb Stratum (Plot size: 5 ft)			Absolute % Cover	Dominant Species?	Indicator Status
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.					
			90	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

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

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 20	x 1 = 20
FACW species 30	x 2 = 60
FAC species 40	x 3 = 120
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 90 (A)	200 (B)
Prevalence Index = B/A = 2.2	

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 ☐

SOIL

Sampling Point: W-JJB-18 PEM-1

[illegible]

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"/>	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)			
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): <input type="text"/>
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
Saturation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
(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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>1</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	<u>0</u>	x 4 =	<u>0</u>
1. _____	_____	_____	_____	UPL species	<u>20</u>	x 5 =	<u>100</u>
2. _____	_____	_____	_____	Column Totals	<u>20</u>	(A)	<u>100</u> (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>5</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			
	<u>0</u>	= 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>Zea mays</i>	<u>20</u>	Yes	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. _____	_____	_____	_____	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 <u>✓</u>			
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.							

SOIL

Sampling Point: W-JJB-18_UPL-1

[illegible]

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 ____	
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: <u>W-JJB-19</u>
Remarks: (Explain alternative procedures here or in a separate report) Coverttype is PEM.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>				<u>Secondary Indicators (minimum of two required)</u>	
<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 checked="" 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 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 ____	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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	2	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	2	(B)		
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)		
4. _____	_____	_____	_____	Prevalence Index worksheet:				
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:		
6. _____	_____	_____	_____	OBL species	60	x 1 =	60	
7. _____	_____	_____	_____	FACW species	20	x 2 =	40	
	0	= Total Cover			FAC species	0	x 3 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	0	x 4 =	0	
1. _____	_____	_____	_____	UPL species	0	x 5 =	0	
2. _____	_____	_____	_____	Column Totals	80	(A)	100 (B)	
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>1.3</u>				
4. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:				
5. _____	_____	_____	_____	<input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation				
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%				
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹				
	0	= 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>Typha angustifolia</i>	60	Yes	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
2. <i>Onoclea sensibilis</i>	20	Yes	FACW					
3. _____	_____	_____	_____	Definitions of Vegetation Strata:				
4. _____	_____	_____	_____	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
5. _____	_____	_____	_____	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
6. _____	_____	_____	_____	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
7. _____	_____	_____	_____	Woody vines – All woody vines greater than 3.28 ft in height.				
8. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____				
9. _____	_____	_____	_____					
10. _____	_____	_____	_____					
11. _____	_____	_____	_____					
12. _____	_____	_____	_____					
	80	= 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.)								

SOIL

Sampling Point: W-JJB-19_PEM-1

[illegible]

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"/>	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 type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
Saturation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
(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-19 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>1</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	<u>0</u>	x 4 =	<u>0</u>
1. _____	_____	_____	_____	UPL species	<u>20</u>	x 5 =	<u>100</u>
2. _____	_____	_____	_____	Column Totals	<u>20</u>	(A)	<u>100</u> (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>5</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			
	<u>0</u>	= 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>Zea mays</i>	<u>20</u>	Yes	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. _____	_____	_____	_____	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 <u>✓</u>			
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.							

SOIL

Sampling Point: W-JJB-19 UPL-1

[illegible]

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) Coverttype 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 checked="" 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): _____ 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)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
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

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

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 20	x 1 = 20
FACW species 70	x 2 = 140
FAC species 20	x 3 = 60
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 110	(A) 220 (B)

Prevalence Index = B/A = 2

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-JJB-20 PSS-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
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-JJB-20 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>2</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	<u>40</u>	x 4 =	<u>160</u>
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>
2. _____	_____	_____	_____	Column Totals	<u>40</u>	(A)	<u>160</u> (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			
	<u>0</u>	= 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>Poa pratensis</i>	<u>20</u>	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. <i>Ambrosia artemisiifolia</i>	<u>20</u>	Yes	FACU				
3. _____	_____	_____	_____	Definitions of Vegetation Strata:			
4. _____	_____	_____	_____	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
5. _____	_____	_____	_____	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
6. _____	_____	_____	_____	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
7. _____	_____	_____	_____	Woody vines – All woody vines greater than 3.28 ft in height.			
8. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>			
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					
Remarks: (Include photo numbers here or on a separate sheet.) Maintained road shoulder.							

SOIL

Sampling Point: W-JJB-20_UPL-1

[illegible]

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 <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-21
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
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 <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
Saturation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): <input type="text" value="2"/>
(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-21 PEM-1

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

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply By:	
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>	

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.)

Pasture.

SOIL

Sampling Point: W-JJB-21 PEM-1

[illegible]

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"/>	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)			
Coverttype 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): <input type="text"/>
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
Saturation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <input type="text"/>
(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-21 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	2	(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	
	0	= Total Cover			FAC species	10	x 3 =	30
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	80	x 4 =	320	
1. _____	_____	_____	_____	UPL species	0	x 5 =	0	
2. _____	_____	_____	_____	Column Totals	90	(A)	350 (B)	
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>3.9</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				
	0	= 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>Trifolium pratense</i>	60	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
2. <i>Galium mollugo</i>	20	Yes	FACU	Definitions of Vegetation Strata:				
3. <i>Ranunculus acris</i>	10	No	FAC	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 <u>✓</u>				
8. _____	_____	_____	_____					
9. _____	_____	_____	_____					
10. _____	_____	_____	_____					
11. _____	_____	_____	_____					
12. _____	_____	_____	_____					
	90	= 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.) Pasture.								

SOIL

Sampling Point: W-JJB-21 UPL-1

[illegible]

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 <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-22
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. 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Saturation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
(includes capillary fringe)		
Depth (inches):		
Depth (inches):		
Depth (inches):		2
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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>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: <u>30 ft</u>)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
	0	= Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species	0 x 1 = 0
FACW species	70 x 2 = 140
FAC species	15 x 3 = 45
FACU species	0 x 4 = 0
UPL species	0 x 5 = 0
Column Totals	85 (A) 185 (B)

Prevalence Index = B/A = 2.2

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-JJB-22 PEM-1

[illegible]

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"/>	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)			
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 type="checkbox"/>	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Saturation Present?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
(includes capillary fringe)		
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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	2	(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	
	0	= Total Cover			FAC species	0	x 3 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	_____	_____	_____	FACU species	95	x 4 =	380	
1. _____	_____	_____	_____	UPL species	0	x 5 =	0	
2. _____	_____	_____	_____	Column Totals	95	(A)	380 (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				
	0	= 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>Galium mollugo</i>	60	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
2. <i>Cirsium arvense</i>	20	Yes	FACU	Definitions of Vegetation Strata:				
3. <i>Vicia americana</i>	15	No	FACU	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 <u>✓</u>				
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.)								

SOIL

Sampling Point: W-JJB-22 UPL-1

[illegible]

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_PSS-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: 44.9223593111 Long: -74.1247626488 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"/>	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-23
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. Ag impacts.			

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 checked="" 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"/>	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Saturation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
(includes capillary fringe)		
Depth (inches):		
Depth (inches):		
Depth (inches):		0
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 PSS-1

Tree Stratum (Plot size: <u>30 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Salix petiolaris</i>		40	Yes	FACW
2.					
3.					
4.					
5.					
6.					
7.					
			40	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Symphyotrichum puniceum</i>		80	Yes	OBL
2.	<i>Impatiens capensis</i>		20	Yes	FACW
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
			100	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

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>	

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-JJB-23_PSS-1

[illegible]

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

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
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-JJB-23 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>0</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	_____ (A/B)		
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FACU species	<u>0</u>	x 4 =	<u>0</u>
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>
2. _____	_____	_____	_____	Column Totals	<u>0</u>	(A)	<u>0</u> (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = _____			
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			
	<u>0</u>	= 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. _____	_____	_____	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. _____	_____	_____	_____	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 <u>✓</u>			
8. _____	_____	_____	_____				
9. _____	_____	_____	_____				
10. _____	_____	_____	_____				
11. _____	_____	_____	_____				
12. _____	_____	_____	_____				
	<u>0</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. Veg dead.							

SOIL

Sampling Point: W-JJB-23 UPL-1

[illegible]

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) Covertypes 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 checked="" 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): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (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:					

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-02_PFO-1

Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Acer rubrum</i>	75	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:	3 (A)
2. <i>Populus deltoides</i>	10	No	FAC	Total Number of Dominant Species Across All Strata:	3 (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet:	
5. _____	_____	_____	_____	Total % Cover of:	Multiply By:
6. _____	_____	_____	_____	OBL species	0 x 1 = 0
7. _____	_____	_____	_____	FACW species	35 x 2 = 70
	85 = Total Cover			FAC species	118 x 3 = 354
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FACU species	5 x 4 = 20
1. <i>Acer rubrum</i>	25	Yes	FAC	UPL species	0 x 5 = 0
2. <i>Fraxinus americana</i>	5	No	FACU	Column Totals	158 (A) 444 (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>2.8</u>	
4. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:	
5. _____	_____	_____	_____	____ 1- Rapid Test for Hydrophytic Vegetation	
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%	
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 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>Onoclea sensibilis</i>	35	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Equisetum arvense</i>	8	No	FAC	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 <input checked="" type="checkbox"/> No _____	
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	43 = 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.)					

SOIL

Sampling Point: W-NSD-02 PFO-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
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_UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= 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. _____	_____	_____	_____	
	65	= 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. _____	_____	_____	_____	
	60	= Total Cover		
Woody Vine Stratum (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: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species	0 x 1 = 0
FACW species	15 x 2 = 30
FAC species	0 x 3 = 0
FACU species	110 x 4 = 440
UPL species	0 x 5 = 0
Column Totals	125 (A) 470 (B)
Prevalence Index = B/A = 3.8	

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-NSD-02 UPL-1

[illegible]

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 ____	
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-01
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 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 checked="" 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): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (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:					

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-01_PEM-1

Tree Stratum (Plot size: 30 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Herb Stratum (Plot size: 5 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Symphyotrichum 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.					
			97	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

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>	

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-NSD-01 PEM-1

[illegible]

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 ____	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
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-01 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>Symphyotrichum 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. _____	_____	_____	_____	
	100	= Total Cover		
Woody Vine Stratum (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: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species	0 x 1 = 0
FACW species	20 x 2 = 40
FAC species	40 x 3 = 120
FACU species	40 x 4 = 160
UPL species	0 x 5 = 0
Column Totals	100 (A) 320 (B)
Prevalence Index = B/A = 3.2	

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-NSD-01 UPL-1

[illegible]

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) 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 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 checked="" 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.					

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-02 PEM-2

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>Impatiens capensis</i>	55	Yes	FACW	
2. <i>Symphyotrichum novi-belgii</i>	35	Yes	FACW	
3. <i>Onoclea sensibilis</i>	10	No	FACW	
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		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 0	x 1 = 0
FACW species 100	x 2 = 200
FAC species 0	x 3 = 0
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 100	(A) 200 (B)

Prevalence Index = B/A = 2

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-NSD-02 PEM-2

[illegible]

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 ____	
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) Covertypes 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 checked="" 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): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (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:					

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-02_PFO-1

Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Acer rubrum</i>	75	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:	3 (A)
2. <i>Populus deltoides</i>	10	No	FAC	Total Number of Dominant Species Across All Strata:	3 (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet:	
5. _____	_____	_____	_____	Total % Cover of: Multiply By:	
6. _____	_____	_____	_____	OBL species	0 x 1 = 0
7. _____	_____	_____	_____	FACW species	35 x 2 = 70
	85 = Total Cover			FAC species	118 x 3 = 354
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FACU species	5 x 4 = 20
1. <i>Acer rubrum</i>	25	Yes	FAC	UPL species	0 x 5 = 0
2. <i>Fraxinus americana</i>	5	No	FACU	Column Totals	158 (A) 444 (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = 2.8	
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>Onoclea sensibilis</i>	35	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Equisetum arvense</i>	8	No	FAC	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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	43 = 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.)					

SOIL

Sampling Point: W-NSD-02 PFO-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
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_UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= 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. _____	_____	_____	_____	
	65	= 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. _____	_____	_____	_____	
	60	= Total Cover		
Woody Vine Stratum (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: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 0	x 1 = 0
FACW species 15	x 2 = 30
FAC species 0	x 3 = 0
FACU species 110	x 4 = 440
UPL species 0	x 5 = 0
Column Totals 125	(A) 470 (B)

Prevalence Index = B/A = 3.8

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-NSD-02 UPL-1

[illegible]

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 ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-NSD-03
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____		
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 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 checked="" 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):			
Water Table Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	4		
Saturation Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	0		
(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:					

Sampling Point: W-NSD-03 PEM-1

Tree Stratum (Plot size: <u>30 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	

Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	

Herb Stratum (Plot size: <u>5 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Phalaris arundinacea</i>	65	Yes	FACW
2.	<i>Typha angustifolia</i>	30	Yes	OBL
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		95	= Total Cover	

Woody Vine Stratum (Plot size: <u>30 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
		0	= Total Cover	

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

SOIL

Sampling Point: W-NSD-03 PEM-1

[illegible]

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) Coverture 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): _____ 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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	0	= Total Cover	

Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	0	= Total Cover	

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

Woody Vine Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
	0	= Total Cover	

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

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 ☒

SOIL

Sampling Point: W-NSD-03_UPL-1

[illegible]

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: Moiria 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-04
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.			

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): _____ 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:	

Sampling Point: W-NSD-04 PEM-1

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

Sampling Point: W-NSD-04 PEM-1

[illegible]

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)			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): _____ 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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																	
1. _____	_____	_____	_____	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)																																
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
	<u>0</u>	= Total Cover		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%; text-align: center;">Multiply By:</th> <th style="width: 30%;"></th> </tr> </thead> <tbody> <tr><td>OBL species</td><td style="text-align: center;">0</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 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 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;">20</td><td style="text-align: center;">x 4 =</td><td style="text-align: center;">80</td></tr> <tr><td>UPL species</td><td style="text-align: center;">0</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;">20</td><td style="text-align: center;">(A)</td><td style="text-align: center;">80 (B)</td></tr> <tr><td colspan="3">Prevalence Index = B/A =</td><td style="text-align: center;"><u>4</u></td></tr> </tbody> </table>		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	20	x 4 =	80	UPL species	0	x 5 =	0	Column Totals	20	(A)	80 (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	20	x 4 =	80																																	
UPL species	0	x 5 =	0																																	
Column Totals	20	(A)	80 (B)																																	
Prevalence Index = B/A =			<u>4</u>																																	
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>	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>)																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
	<u>0</u>	= Total Cover																																		
Remarks: (Include photo numbers here or on a separate sheet.)				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"/>																																

SOIL

Sampling Point: W-NSD-04_UPL-1

[illegible]

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 ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-NSD-05
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____		
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)				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"/>	Depth (inches):			
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: 					
Remarks: 					

Sampling Point: W-NSD-05 PEM-1

Tree Stratum (Plot size: <u>30 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1.						Number of Dominant Species That Are OBL, FACW, or FAC:	<u>1</u>	(A)
2.						Total Number of Dominant Species Across All Strata:	<u>1</u>	(B)
3.						Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>100</u>	(A/B)
4.						Prevalence Index worksheet:		
5.						Total % Cover of:	Multiply By:	
6.						OBL species	<u>0</u>	x 1 = <u>0</u>
7.						FACW species	<u>90</u>	x 2 = <u>180</u>
						FAC species	<u>0</u>	x 3 = <u>0</u>
						FACU species	<u>10</u>	x 4 = <u>40</u>
						UPL species	<u>0</u>	x 5 = <u>0</u>
						Column Totals	<u>100</u>	(A) <u>220</u> (B)
						Prevalence Index = B/A = <u>2.2</u>		
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)						Hydrophytic Vegetation Indicators:		
1.						<input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation		
2.						<input checked="" type="checkbox"/> 2- Dominance Test is >50%		
3.						<input checked="" type="checkbox"/> 3- Prevalence Index is ≤ 3.0 ¹		
4.						<input type="checkbox"/> 4- Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
5.						<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)		
6.						¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic		
7.						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"/>		
Herb Stratum (Plot size: <u>5 ft</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		
Remarks: (Include photo numbers here or on a separate sheet.)								

SOIL

Sampling Point: W-NSD-05_PEM-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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)			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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)			Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: 					
Remarks: 					

Sampling Point: W-NSD-05 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	

Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	

Herb Stratum (Plot size: <u>5 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
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: <u>30 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
		0	= Total Cover	

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

SOIL

Sampling Point: W-NSD-05 UPL-1

[illegible]

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) Coverttype 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"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= Total Cover		
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				
1. <i>Salix alba</i>	35	Yes	FACW	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	35	= Total Cover		
Herb Stratum (Plot size: <u>5 ft</u>)				
1. <i>Phalaris arundinacea</i>	50	Yes	FACW	
2. <i>Symphytotrichum novi-belgii</i>	15	Yes	FACW	
3. <i>Onoclea sensibilis</i>	10	No	FACW	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
	75	= Total Cover		
Woody Vine Stratum (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: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 0	x 1 = 0
FACW species 110	x 2 = 220
FAC species 0	x 3 = 0
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 110	(A) 220 (B)

Prevalence Index = B/A = 2

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-NSD-06 PSS-1

[illegible]

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) 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): _____ 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:					

Sampling Point: W-NSD-06 UPL-1

Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet:				
	Absolute % Cover	Dominant Species?	Indicator Status	Number of Dominant Species That Are OBL, FACW, or FAC:				
1.				0			(A)	
2.				2			(B)	
3.				Percent of Dominant Species That Are OBL, FACW, or FAC:				
4.				0			(A/B)	
5.				Prevalence Index worksheet:				
6.				Total % Cover of:		Multiply By:		
7.				OBL species	0	x 1 =	0	
	0	= Total Cover			FACW species	10	x 2 = 20	
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species	0	x 3 =	0	
1.				FACU species	20	x 4 =	80	
2.				UPL species	25	x 5 =	125	
3.				Column Totals	55	(A)	225 (B)	
4.				Prevalence Index = B/A =			4.1	
5.				Hydrophytic Vegetation Indicators:				
6.				1 - Rapid Test for Hydrophytic Vegetation				
7.				2 - Dominance Test is > 50%				
	0	= Total Cover			3 - Prevalence Index is ≤ 3.0 ¹			
Herb Stratum (Plot size: 5 ft)				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)				
1. Poaceae	35	Yes	NI	Problematic Hydrophytic Vegetation ¹ (Explain)				
2. Daucus carota	25	Yes	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
3. Galium mollugo	15	No	FACU	Definitions of Vegetation Strata:				
4. Phalaris arundinacea	10	No	FACW	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
5. Potentilla simplex	5	No	FACU	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
6.				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
7.				Woody vines – All woody vines greater than 3.28 ft in height.				
8.				Hydrophytic Vegetation Present? Yes No <input checked="" type="checkbox"/>				
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

Sampling Point: W-NSD-06 UPL-1

[illegible]

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 ____	
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-01
Remarks: (Explain alternative procedures here or in a separate report) Covertypes 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 ____ No <input checked="" type="checkbox"/>	Depth (inches):			
Water Table Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
Saturation Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	6 0		
(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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <i>Fraxinus pennsylvanica</i>	65	Yes	FACW	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)
2. <i>Populus tremuloides</i>	20	Yes	FACU	
3. <i>Prunus serotina</i>	5	No	FACU	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	Prevalence Index worksheet: <div style="display: flex; justify-content: space-between;"> <div> Total % Cover of: OBL species <u>5</u> FACW species <u>125</u> FAC species <u>10</u> FACU species <u>25</u> UPL species <u>0</u> Column Totals <u>165</u> </div> <div> Multiply By: x 1 = <u>5</u> x 2 = <u>250</u> x 3 = <u>30</u> x 4 = <u>100</u> x 5 = <u>0</u> (A) <u>385</u> (B) </div> </div> Prevalence Index = B/A = <u>2.3</u>
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	<u>90</u>	= Total Cover		
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				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
1. <i>Viburnum lentago</i>	10	Yes	FAC	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	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.
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	<u>10</u>	= Total Cover		Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No ____
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).

SOIL

Sampling Point: W-WCR-01 PFO-1

[illegible]

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-09
 Applicant/Owner: Geronimo State: New York Sampling Point: W-WCR-01_UPL-1
 Investigator(s): Jake Brillo, RDS Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hilltop Local relief (concave, convex, none): Convex Slope (%): 5 to 10
 Subregion (LRR or MLRA): LRR R Lat: 44.93741 Long: -74.131104 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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
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-WCR-01 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <i>Acer rubrum</i>	60	Yes	FAC	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)
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. _____	_____	_____	_____	Prevalence Index worksheet: <div style="display: flex; justify-content: space-between;"> <div> Total % Cover of: OBL species <u>0</u> FACW species <u>0</u> FAC species <u>65</u> FACU species <u>50</u> UPL species <u>0</u> Column Totals <u>115</u> </div> <div> Multiply By: x 1 = <u>0</u> x 2 = <u>0</u> x 3 = <u>195</u> x 4 = <u>200</u> x 5 = <u>0</u> (A) <u>395</u> (B) </div> </div> Prevalence Index = B/A = <u>3.4</u>
7. _____	_____	_____	_____	
			100 = 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	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
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	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.
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>
			15 = 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. _____	_____	_____	_____	
			40 = 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.) No positive indication of hydrophytic vegetation was observed (≥50% of dominant species indexed as FAC– or drier).

SOIL

Sampling Point: W-WCR-01 UPL-1

[illegible]

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) Coverttype is PFO. Area is wetland, all three wetland parameters are present.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>9</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:					

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-02_PFO-2

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																									
1. <i>Acer rubrum</i>	70	Yes	FAC	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)																																								
2. <i>Betula alleghaniensis</i>	10	No	FAC																																									
3. <i>Fraxinus pennsylvanica</i>	5	No	FACW																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
		85	= Total Cover	Prevalence Index worksheet: <table style="width: 100%;"> <thead> <tr> <th style="width: 40%;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%;">Multiply By:</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td>5</td> <td>x 1 =</td> <td>5</td> <td></td> </tr> <tr> <td>FACW species</td> <td>70</td> <td>x 2 =</td> <td>140</td> <td></td> </tr> <tr> <td>FAC species</td> <td>85</td> <td>x 3 =</td> <td>255</td> <td></td> </tr> <tr> <td>FACU species</td> <td>0</td> <td>x 4 =</td> <td>0</td> <td></td> </tr> <tr> <td>UPL species</td> <td>0</td> <td>x 5 =</td> <td>0</td> <td></td> </tr> <tr> <td>Column Totals</td> <td>160</td> <td>(A)</td> <td>400</td> <td>(B)</td> </tr> <tr> <td colspan="3">Prevalence Index = B/A =</td> <td><u>2.5</u></td> <td></td> </tr> </tbody> </table>	Total % Cover of:		Multiply By:			OBL species	5	x 1 =	5		FACW species	70	x 2 =	140		FAC species	85	x 3 =	255		FACU species	0	x 4 =	0		UPL species	0	x 5 =	0		Column Totals	160	(A)	400	(B)	Prevalence Index = B/A =			<u>2.5</u>	
Total % Cover of:		Multiply By:																																										
OBL species	5	x 1 =	5																																									
FACW species	70	x 2 =	140																																									
FAC species	85	x 3 =	255																																									
FACU species	0	x 4 =	0																																									
UPL species	0	x 5 =	0																																									
Column Totals	160	(A)	400	(B)																																								
Prevalence Index = B/A =			<u>2.5</u>																																									
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	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																																								
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	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 ____																																								
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.)																																												

SOIL

Sampling Point: W-WCR-02 PFO-2

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
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: No positive indication of wetland hydrology was observed.					

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-02_UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
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.					
			89	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Amelanchier arborea</i>		10	Yes	FACU
2.	<i>Hamamelis virginiana</i>		5	Yes	FACU
3.					
4.					
5.					
6.					
7.					
			15	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
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.					
			50	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 20 (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>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>			

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-WCR-02_UPL-1

[illegible]

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 ____	
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-03
Remarks: (Explain alternative procedures here or in a separate report) Coverttype is PFO. Area is wetland, all three wetland parameters are present.		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>6</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:					

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-03 PFO-1

Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet:																																	
	Absolute % Cover	Dominant Species?	Indicator Status																																		
1. <i>Fraxinus pennsylvanica</i>	50	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:	4 (A)																																
2. <i>Acer rubrum</i>	20	Yes	FAC	Total Number of Dominant Species Across All Strata:	4 (B)																																
3. <i>Betula alleghaniensis</i>	5	No	FAC	Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)																																
4. _____	_____	_____	_____	Prevalence Index worksheet:																																	
5. _____	_____	_____	_____	<table border="0"> <tr> <td colspan="2">Total % Cover of:</td> <td colspan="2">Multiply By:</td> </tr> <tr> <td>OBL species</td> <td>20</td> <td>x 1 =</td> <td>20</td> </tr> <tr> <td>FACW species</td> <td>90</td> <td>x 2 =</td> <td>180</td> </tr> <tr> <td>FAC species</td> <td>25</td> <td>x 3 =</td> <td>75</td> </tr> <tr> <td>FACU species</td> <td>5</td> <td>x 4 =</td> <td>20</td> </tr> <tr> <td>UPL species</td> <td>0</td> <td>x 5 =</td> <td>0</td> </tr> <tr> <td>Column Totals</td> <td>140</td> <td>(A)</td> <td>295 (B)</td> </tr> <tr> <td colspan="4">Prevalence Index = B/A = <u>2.1</u></td> </tr> </table>		Total % Cover of:		Multiply By:		OBL species	20	x 1 =	20	FACW species	90	x 2 =	180	FAC species	25	x 3 =	75	FACU species	5	x 4 =	20	UPL species	0	x 5 =	0	Column Totals	140	(A)	295 (B)	Prevalence Index = B/A = <u>2.1</u>			
Total % Cover of:		Multiply By:																																			
OBL species	20	x 1 =	20																																		
FACW species	90	x 2 =	180																																		
FAC species	25	x 3 =	75																																		
FACU species	5	x 4 =	20																																		
UPL species	0	x 5 =	0																																		
Column Totals	140	(A)	295 (B)																																		
Prevalence Index = B/A = <u>2.1</u>																																					
6. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:																																	
7. _____	_____	_____	_____	_____ 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																																	
75 = Total Cover				Definitions of Vegetation Strata:																																	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				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. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____																																	
2. _____	_____	_____	_____																																		
3. _____	_____	_____	_____																																		
4. _____	_____	_____	_____																																		
5. _____	_____	_____	_____																																		
6. _____	_____	_____	_____																																		
7. _____	_____	_____	_____																																		
8. _____	_____	_____	_____																																		
9. _____	_____	_____	_____																																		
10. _____	_____	_____	_____																																		
11. _____	_____	_____	_____																																		
12. _____	_____	_____	_____																																		
0 = 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. _____	_____	_____	_____																																		
65 = 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.)

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).

SOIL

Sampling Point: W-WCR-03 PFO-1

[illegible]

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 ____	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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 checked="" type="checkbox"/> FAC-Neutral Test (D5)			
Field Observations:					
Surface Water Present?	Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
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-WCR-03 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Betula alleghaniensis</i>	60	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>4</u> (A)
2. <i>Acer rubrum</i>	25	Yes	FAC	Total Number of Dominant Species Across All Strata:	<u>5</u> (B)
3. <i>Fraxinus pennsylvanica</i>	6	No	FACW	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>80</u> (A/B)
4. <i>Prunus serotina</i>	5	No	FACU		
5. _____					
6. _____					
7. _____					
	<u>96</u>	= Total Cover		Prevalence Index worksheet:	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				Total % Cover of: Multiply By:	
1. <i>Fraxinus pennsylvanica</i>	40	Yes	FACW	OBL species	<u>5</u> x 1 = <u>5</u>
2. _____				FACW species	<u>61</u> x 2 = <u>122</u>
3. _____				FAC species	<u>85</u> x 3 = <u>255</u>
4. _____				FACU species	<u>5</u> x 4 = <u>20</u>
5. _____				UPL species	<u>20</u> x 5 = <u>100</u>
6. _____				Column Totals	<u>176</u> (A) <u>502</u> (B)
7. _____				Prevalence Index = B/A = <u>2.9</u>	
	<u>40</u>	= Total Cover		Hydrophytic Vegetation Indicators:	
Herb Stratum (Plot size: <u>5 ft</u>)				<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. <i>Dennstaedtia punctilobula</i>	20	Yes	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Osmundastrum cinnamomeum</i>	15	Yes	FACW	Definitions of Vegetation Strata:	
3. <i>Osmunda spectabilis</i>	5	No	OBL	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.	
4. _____				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
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			
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: W-WCR-03 UPL-1

[illegible]

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 ____	
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-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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (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).					

Sampling Point: W-WCR-04 PEM-1

Tree Stratum (Plot size: 30 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Herb Stratum (Plot size: 5 ft)			Absolute % Cover	Dominant Species?	Indicator Status
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.					
			100	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

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

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 5	x 1 = 5
FACW species 95	x 2 = 190
FAC species 0	x 3 = 0
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 100	(A) 195 (B)
Prevalence Index = B/A = 2	

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 ☐

SOIL

Sampling Point: W-WCR-04 PEM-1

[illegible]

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 ____	
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-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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (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-04 PFO-1

Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Salix amygdaloides</i>	60	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:	6 (A)
2. <i>Acer negundo</i>	20	Yes	FAC	Total Number of Dominant Species Across All Strata:	6 (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet:	
5. _____	_____	_____	_____	Total % Cover of: Multiply By:	
6. _____	_____	_____	_____	OBL species	4 x 1 = 4
7. _____	_____	_____	_____	FACW species	121 x 2 = 242
	80 = Total Cover			FAC species	35 x 3 = 105
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FACU species	0 x 4 = 0
1. <i>Acer negundo</i>	10	Yes	FAC	UPL species	0 x 5 = 0
2. <i>Salix amygdaloides</i>	5	Yes	FACW	Column Totals	160 (A) 351 (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>2.2</u>	
4. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:	
5. _____	_____	_____	_____	____ 1- Rapid Test for Hydrophytic Vegetation	
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%	
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹	
	15 = 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>Impatiens capensis</i>	50	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Onoclea sensibilis</i>	6	No	FACW	Definitions of Vegetation Strata:	
3. <i>Equisetum fluviatile</i>	4	No	OBL	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 <input checked="" type="checkbox"/> No _____	
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	60 = Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)					
1. <i>Vitis riparia</i>	5	Yes	FAC		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
	5 = 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).					

SOIL

Sampling Point: W-WCR-04_PFO-1

[illegible]

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 ____	
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-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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (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-04 PSS-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																									
1. _____	_____	_____	_____	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)																																								
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
<u>0</u> = Total Cover				Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%; text-align: left;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: left;">Multiply By:</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td><u>0</u></td> <td>x 1 =</td> <td><u>0</u></td> <td></td> </tr> <tr> <td>FACW species</td> <td><u>150</u></td> <td>x 2 =</td> <td><u>300</u></td> <td></td> </tr> <tr> <td>FAC species</td> <td><u>0</u></td> <td>x 3 =</td> <td><u>0</u></td> <td></td> </tr> <tr> <td>FACU species</td> <td><u>0</u></td> <td>x 4 =</td> <td><u>0</u></td> <td></td> </tr> <tr> <td>UPL species</td> <td><u>0</u></td> <td>x 5 =</td> <td><u>0</u></td> <td></td> </tr> <tr> <td>Column Totals</td> <td><u>150</u></td> <td>(A)</td> <td><u>300</u></td> <td>(B)</td> </tr> <tr> <td colspan="5" style="text-align: right;">Prevalence Index = B/A = <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>																																												
<u>70</u> = Total Cover																																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																																												
1. <i>Spiraea alba</i>	<u>40</u>	<u>Yes</u>	<u>FACW</u>																																									
2. <i>Salix petiolaris</i>	<u>30</u>	<u>Yes</u>	<u>FACW</u>																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
<u>70</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																																								
Herb Stratum (Plot size: <u>5 ft</u>)																																												
1. <i>Phalaris arundinacea</i>	<u>80</u>	<u>Yes</u>	<u>FACW</u>																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
<u>80</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.																																								
Woody Vine Stratum (Plot size: <u>30 ft</u>)																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
<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).																																												

SOIL

Sampling Point: W-WCR-04 PSS-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)			Wetland Hydrology Present? Yes ____ 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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)			
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>0</u> (B)			
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)			
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FACU species	<u>0</u>	x 4 =	<u>0</u>
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>
2. _____	_____	_____	_____	Column Totals	<u>0</u>	(A)	<u>0</u> (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = _____			
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			
	<u>0</u>	= 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. _____	_____	_____	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. _____	_____	_____	_____	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 <u>✓</u>			
8. _____	_____	_____	_____				
9. _____	_____	_____	_____				
10. _____	_____	_____	_____				
11. _____	_____	_____	_____				
12. _____	_____	_____	_____				
	<u>0</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.							

SOIL

Sampling Point: W-WCR-04 UPL-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <input checked="" type="checkbox"/>		
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: No positive indication of wetland hydrology was observed.					

VEGETATION -- Use scientific names of plants.

Sampling Point: W-WCR-04 UPL-2

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)			
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>0</u> (B)			
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)			
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FACU species	<u>0</u>	x 4 =	<u>0</u>
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>
2. _____	_____	_____	_____	Column Totals	<u>0</u>	(A)	<u>0</u> (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = _____			
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			
	<u>0</u>	= 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. _____	_____	_____	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. _____	_____	_____	_____	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 <u>✓</u>			
8. _____	_____	_____	_____				
9. _____	_____	_____	_____				
10. _____	_____	_____	_____				
11. _____	_____	_____	_____				
12. _____	_____	_____	_____				
	<u>0</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.							

SOIL

Sampling Point: W-WCR-04 UPL-2

[illegible]

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"/>	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. 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):			
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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																	
1. _____	_____	_____	_____	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>0</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)																																
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: none;"> <tr> <td style="text-align: right;">Total % Cover of:</td> <td></td> <td style="text-align: right;">Multiply By:</td> <td></td> </tr> <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>0</u></td> <td>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>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>0</u></td> <td>(A)</td> <td style="text-align: center;"><u>0</u> (B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A = _____</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>0</u>	x 5 =	<u>0</u>	Column Totals	<u>0</u>	(A)	<u>0</u> (B)	Prevalence Index = B/A = _____			
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 = _____																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
<u>0</u> = Total Cover																																				
Herb Stratum (Plot size: <u>5 ft</u>)				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																																
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
8. _____	_____	_____	_____																																	
9. _____	_____	_____	_____																																	
10. _____	_____	_____	_____																																	
11. _____	_____	_____	_____																																	
12. _____	_____	_____	_____																																	
<u>0</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. Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>																																
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
<u>0</u> = Total Cover																																				

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

SOIL

Sampling Point: W-WCR-04 UPL-3

[illegible]

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 ____	
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-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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (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-05 PEM-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <i>Salix amygdaloides</i>	5	Yes	FACW	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant Species Across All Strata: 5 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B) Prevalence Index worksheet: <div style="display: flex; justify-content: space-between;"> <div> Total % Cover of: OBL species 0 FACW species 110 FAC species 0 FACU species 0 UPL species 0 Column Totals 110 </div> <div> Multiply By: x 1 = 0 x 2 = 220 x 3 = 0 x 4 = 0 x 5 = 0 (A) 220 (B) </div> </div> Prevalence Index = B/A = 2
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
5 = 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. _____				
5 = Total Cover				
Herb Stratum (Plot size: <u>5 ft</u>)				
1. <i>Onoclea sensibilis</i>	40	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 ____ 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.
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. _____				
100 = 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.)				

SOIL

Sampling Point: W-WCR-05 PEM-1

[illegible]

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"/>	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. 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):			
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-05 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																									
1. _____	_____	_____	_____	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)																																								
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
	<u>0</u>	= Total Cover		Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%; text-align: left;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: left;">Multiply By:</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>OBL species</td><td><u>0</u></td><td>x 1 =</td><td><u>0</u></td><td></td></tr> <tr><td>FACW species</td><td><u>0</u></td><td>x 2 =</td><td><u>0</u></td><td></td></tr> <tr><td>FAC species</td><td><u>0</u></td><td>x 3 =</td><td><u>0</u></td><td></td></tr> <tr><td>FACU species</td><td><u>0</u></td><td>x 4 =</td><td><u>0</u></td><td></td></tr> <tr><td>UPL species</td><td><u>20</u></td><td>x 5 =</td><td><u>100</u></td><td></td></tr> <tr><td>Column Totals</td><td><u>20</u></td><td>(A)</td><td><u>100</u></td><td>(B)</td></tr> <tr><td colspan="5">Prevalence Index = B/A = <u>5</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>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>																																												
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>	<u>20</u>	<u>Yes</u>	<u>UPL</u>																																									
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.)																																												

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 ✓

SOIL

Sampling Point: W-WCR-05 UPL-1

[illegible]

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 <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-WCR-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 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) <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 checked="" 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 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: The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (at least one primary indicator).					

Sampling Point: W-WCR-06 PEM-1

Northcentral and Northeast Region -- Version 2.0 Adapted by TRC

SOIL

Sampling Point: W-WCR-06 PEM-1

[illegible]

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"/>	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. 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):			
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.					

Sampling Point: W-WCR-06 UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
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>Zea mays</i>		20	Yes	UPL
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
			20	= 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.)

Active agricultural field.

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:			
<u>Total % Cover of:</u>		<u>Multiply By:</u>	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	20	x 5 =	100
Column Totals	20	(A)	100 (B)
Prevalence Index = B/A =			5
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"/>			

SOIL

Sampling Point: W-WCR-06 UPL-1

[illegible]

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 <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-WCR-07
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Remarks: (Explain alternative procedures here or in a separate report)			
Covertypes 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 <input type="checkbox"/>	Depth (inches):	1
Water Table Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches):	8
Saturation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches):	0
(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. 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

Tree Stratum (Plot size: <u>30 ft</u>)				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Alnus incana</i>	60	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:	5 (A)
2. <i>Salix bebbiana</i>	20	Yes	FACW	Total Number of Dominant Species Across All Strata:	5 (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet:	
5. _____	_____	_____	_____	Total % Cover of: Multiply By:	
6. _____	_____	_____	_____	OBL species	25 x 1 = 25
7. _____	_____	_____	_____	FACW species	155 x 2 = 310
	80	= Total Cover		FAC species	0 x 3 = 0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FACU species	0 x 4 = 0
1. <i>Alnus incana</i>	15	Yes	FACW	UPL species	0 x 5 = 0
2. _____	_____	_____	_____	Column Totals	180 (A) 335 (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = 1.9	
4. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:	
5. _____	_____	_____	_____	<input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation	
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%	
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹	
	15	= 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>Solidago gigantea</i>	40	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Equisetum fluviatile</i>	25	Yes	OBL	Definitions of Vegetation Strata:	
3. <i>Equisetum palustre</i>	15	No	FACW	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
4. <i>Onoclea sensibilis</i>	5	No	FACW	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 <input checked="" type="checkbox"/> No _____	
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	85	= 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.)					

SOIL

Sampling Point: W-WCR-07 PFO-1

[illegible]

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: <u></u>
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: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<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): <u></u>	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): <u></u>			
Saturation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): <u></u>			
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: <u></u>					
Remarks: No positive indication of wetland hydrology was observed.					

Sampling Point: W-WCR-07 UPL-1

Tree Stratum (Plot size: 30 ft)				Dominance Test worksheet:			
	Absolute % Cover	Dominant Species?	Indicator Status	Number of Dominant Species That Are OBL, FACW, or FAC:			
1. <i>Acer saccharum</i>	75	Yes	FACU	2			(A)
2. <i>Fraxinus americana</i>	20	Yes	FACU	Total Number of Dominant Species Across All Strata:			6 (B)
3. <i>Salix bebbiana</i>	5	No	FACW	Percent of Dominant Species That Are OBL, FACW, or FAC:			33.3 (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	0	x 1 =	0
7. _____	_____	_____	_____	FACW species	25	x 2 =	50
	100	= Total Cover		FAC species	5	x 3 =	15
Sapling/Shrub Stratum (Plot size: 15 ft)				FACU species	129	x 4 =	516
1. <i>Acer saccharum</i>	20	Yes	FACU	UPL species	0	x 5 =	0
2. <i>Populus tremuloides</i>	10	Yes	FACU	Column Totals	159	(A)	581 (B)
3. <i>Viburnum lentago</i>	5	No	FAC	Prevalence Index = B/A = 3.7			
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			
	35	= Total Cover		____ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
Herb Stratum (Plot size: 5 ft)				____ Problematic Hydrophytic Vegetation ¹ (Explain)			
1. <i>Onoclea sensibilis</i>	15	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. <i>Equisetum palustre</i>	5	Yes	FACW	Definitions of Vegetation Strata:			
3. <i>Rubus idaeus</i>	4	No	FACU	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. _____	_____	_____	_____				
	24	= 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.)							
No positive indication of hydrophytic vegetation was observed (≥50% of dominant species indexed as FAC– or drier).							

SOIL

Sampling Point: W-WCR-07 UPL-1

[illegible]

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 ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-RDS-01
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"/> 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"/> Drainage Patterns (B10)			
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)		<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"/> 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"/> 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 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"/> 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"/> 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"/> Shallow Aquitard (D3)			
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)		<input type="checkbox"/> Microtopographic Relief (D4)			
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)			
Field Observations: Surface Water Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>12</u> Saturation Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>4</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:							

VEGETATION -- Use scientific names of plants.

Sampling Point: W-RDS-01_PEM-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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	
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		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

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 = 1.4	

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-01 PEM-1

[illegible]

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"/>	
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): _____ 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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																									
1. _____	_____	_____	_____	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)																																								
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
0 = Total Cover																																												
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																																												
1. <i>Prunus virginiana</i>	40	Yes	FACU	Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%; text-align: left;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: left;">Multiply By:</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td>0</td> <td>x 1 =</td> <td>0</td> <td></td> </tr> <tr> <td>FACW species</td> <td>0</td> <td>x 2 =</td> <td>0</td> <td></td> </tr> <tr> <td>FAC species</td> <td>10</td> <td>x 3 =</td> <td>30</td> <td></td> </tr> <tr> <td>FACU species</td> <td>140</td> <td>x 4 =</td> <td>560</td> <td></td> </tr> <tr> <td>UPL species</td> <td>0</td> <td>x 5 =</td> <td>0</td> <td></td> </tr> <tr> <td>Column Totals</td> <td>150</td> <td>(A)</td> <td>590</td> <td>(B)</td> </tr> <tr> <td colspan="3" style="text-align: right;">Prevalence Index = B/A =</td> <td><u>3.9</u></td> <td></td> </tr> </tbody> </table>	Total % Cover of:		Multiply By:			OBL species	0	x 1 =	0		FACW species	0	x 2 =	0		FAC species	10	x 3 =	30		FACU species	140	x 4 =	560		UPL species	0	x 5 =	0		Column Totals	150	(A)	590	(B)	Prevalence Index = B/A =			<u>3.9</u>	
Total % Cover of:		Multiply By:																																										
OBL species	0	x 1 =	0																																									
FACW species	0	x 2 =	0																																									
FAC species	10	x 3 =	30																																									
FACU species	140	x 4 =	560																																									
UPL species	0	x 5 =	0																																									
Column Totals	150	(A)	590	(B)																																								
Prevalence Index = B/A =			<u>3.9</u>																																									
2. <i>Acer rubrum</i>	10	Yes	FAC																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
50 = Total Cover																																												
Herb Stratum (Plot size: <u>5 ft</u>)																																												
1. <i>Solidago canadensis</i>	50	Yes	FACU	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																																								
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. _____	_____	_____	_____																																									
100 = Total Cover																																												
Woody Vine Stratum (Plot size: <u>30 ft</u>)																																												
1. _____	_____	_____	_____	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.																																								
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
0 = Total Cover																																												
Hydrophytic Vegetation Present? Yes ____ No <input checked="" type="checkbox"/>																																												
Remarks: (Include photo numbers here or on a separate sheet.)																																												

SOIL

Sampling Point: W-RDS-01_UPL-1

[illegible]

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"/>	If yes, optional Wetland Site ID:	W-RDS-02
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Remarks: (Explain alternative procedures here or in a separate report) Covertypes 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 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 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 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 checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>5</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: 			

Sampling Point: W-RDS-02 PFO-1

Tree Stratum (Plot size: 30 ft)			Absolute % Cover	Dominant Species?	Indicator Status
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)			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Fraxinus pennsylvanica</i>		10	Yes	FACW
2.					
3.					
4.					
5.					
6.					
7.					
			10	= Total Cover	

Herb Stratum (Plot size: 5 ft)			Absolute % Cover	Dominant Species?	Indicator Status
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)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

SOIL

Sampling Point: W-RDS-02 PFO-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 - 18	7.5YR 2.5/2	95	10YR 2/2	5	C	M	Clay Loam	
18 - 24	10YR 3/2	90	10YR 4/2	10	C	M	Sandy Clay	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
¹ Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ² Location: PL = Pore Lining, M = Matrix.								
Hydric Soil Indicators:						Indicators for Problematic Hydric Soils ³ :		
<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 checked="" 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"/> Sandy Redox (S5)								
<input type="checkbox"/> Stripped Matrix (S6)								
<input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B)								
						<input type="checkbox"/> Other (Explain in Remarks)		
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.								
Restrictive Layer (if observed):						Hydric Soil Present?		
Type: <u>None</u>						Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Depth (inches):								
Remarks:								

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"/>	
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): _____ 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

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)			
	Absolute % Cover	Dominant Species?	Indicator Status
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. _____	_____	_____	_____
	95	= 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. <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. _____	_____	_____	_____
	45	= 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: 3 (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>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>	

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

[illegible]

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"/>	If yes, optional Wetland Site ID:	W-RDS-03
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) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <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 type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): 6 (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-RDS-03 PSS-1

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

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species <u>10</u>	x 1 = <u>10</u>
FACW species <u>145</u>	x 2 = <u>290</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>15</u>	x 4 = <u>60</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals <u>170</u>	(A) <u>360</u> (B)
Prevalence Index = B/A = <u>2.1</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

Sampling Point: W-RDS-03_PSS-1

[illegible]

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 ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ 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 ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)			Wetland Hydrology Present? Yes ____ 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

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
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>Onoclea sensibilis</i>	45	Yes	FACW	
2. <i>Galium mollugo</i>	35	Yes	FACU	
3. <i>Dactylis glomerata</i>	15	No	FACU	
4. <i>Trifolium repens</i>	5	No	FACU	
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		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 0	x 1 = 0
FACW species 45	x 2 = 90
FAC species 0	x 3 = 0
FACU species 55	x 4 = 220
UPL species 0	x 5 = 0
Column Totals 100	(A) 310 (B)

Prevalence Index = B/A = 3.1

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-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 - 20	10YR 3/3	100					Silt Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
¹ Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ² Location: 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)		
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.								
Restrictive Layer (if observed):								
Type:		None _____		Hydric Soil Present?		Yes ____ No <input checked="" type="checkbox"/>		
Depth (inches):		_____						
Remarks: 								

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> <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>2</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>3</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>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>3</u> Right* <u>3</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>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

Stream Delineation ID

Adjacent Community Type Ag field	
<u>Percent Cover</u> Trees _____ Shrubs _____ Herbaceous _____ Woody Vines _____ Bare Soil/Rock _____ Impervious _____	<u>Dominant Species</u> _____ _____ _____ _____ <i>Type</i> _____ <i>Type</i> _____
<u>Observed Fauna</u>	
<input type="checkbox"/> Waterfowl <input type="checkbox"/> Snakes <input type="checkbox"/> Turtles	<input type="checkbox"/> Fish <input type="checkbox"/> Frogs <input type="checkbox"/> Toads
<input type="checkbox"/> Salamanders <input type="checkbox"/> Beaver <input type="checkbox"/> Muskrat	<input type="checkbox"/> Mink <input type="checkbox"/> Otter <input type="checkbox"/> Invertebrates
<input type="checkbox"/> Other <u>None</u> _____ _____	
<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> Ag stream that flows into W-JJB-1 on north side of Route 11. _____ _____ _____	
Sketch (Optional)	
Grid for sketch	



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>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 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

Stream Delineation ID

[illegible]



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> _____ Perennial <input checked="" type="checkbox"/> Intermittent _____ Ephemeral		<u>Flow</u> Direction <u>Northwest</u> _____ Dry <input checked="" type="checkbox"/> Low _____ Moderate _____ High _____ Flooding	
<u>Streambed Substrate</u> _____ Shale _____ Sand _____ Bedrock _____ Silt/Clay _____ Boulders _____ Organic <input checked="" type="checkbox"/> Cobble/Gravel _____ Other _____		<u>Channel Gradient</u> _____ <2% (<1°) Gentle <input checked="" type="checkbox"/> 2 - 4% (1 - 2°) Moderate _____ 4 - 10% (2 - 6°) Steep _____ >10% (>6°) Very Steep	
<u>Probed Stream Depth</u> <input checked="" type="checkbox"/> 0 - 6 in. _____ 6 - 12 in. _____ 12 - 24 in. _____ 24 - 36 in. _____ >36 in.		<u>Observed Use</u> _____ Boating _____ Shellfishing _____ Swimming _____ Irrigation _____ Fishing _____ Drainage _____ Drinking _____ Aquaculture _____ Other _____	
<u>Bank Height (feet)</u> Left* _____ Right* _____ * Direction when facing downstream		<u>Bank Slope</u> Nearly Level to Gently Sloping 0 - 8% (0 - 5°) _____ 8 - 15% (5 - 9°) _____ 15 - 25% (9 - 14°) _____ 25 - 35% (14 - 20°) _____ >35% (>20°) _____ Very Steep	
<u>Bank Substrate</u> _____ Shale _____ Gravel _____ Bedrock _____ Sand _____ Cobble _____ Organic <input checked="" type="checkbox"/> Silt/Clay _____ Riprap _____ Other _____		<u>Aquatic Habitat</u> _____ Aquatic Vegetation _____ Mud Bar _____ Overhanging Vegetation _____ Sand Bar _____ Undercut Banks _____ Riffle - Pool _____ Gravel Bar _____ Plunge Pools _____ Other (None) _____	
<u>Bank Erosion Potential</u> Left* Right* Low _____ Moderate <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> High _____		<u>Estimated Canopy Closure</u> <input checked="" type="checkbox"/> 0 - 10% _____ 50 - 60% _____ 10 - 20% _____ 60 - 70% _____ 20 - 30% _____ 70 - 80% _____ 30 - 40% _____ 80 - 90% _____ 40 - 50% _____ 90 - 100%	

Stream Inventory Data Form

Stream Delineation ID:

[illegible]



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> <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>1.5</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> <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>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>2</u> Right* <u>2</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 <u>Boulders</u> 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

Stream Delineation ID

[illegible]



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> <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>1</u>	Width (ft.) across Existing Water <u>1</u> Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ Present? <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> <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>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping <input checked="" type="checkbox"/> Left* <input checked="" type="checkbox"/> 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 Erosion Potential</u> Left* Right* Low _____ Moderate <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 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

Stream Delineation ID

[illegible]



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> <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>1</u>	Width (ft.) across Existing Water <u>1</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>3</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>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 _____ _____	<u>Bank Height (ft.)</u> Left* <u>4</u> Right* <u>3</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>Bank Erosion Potential</u> Left* Right* Low _____ Moderate _____ High X X
		<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

Stream Delineation ID

Adjacent Community Type

Forested Uplands

Percent Cover

Trees 10

Shrubs

Herbaceous

Woody Vines

Bare Soil/Rock

Impervious

Dominant Species

Quaking aspen

Type

Type

Observed Fauna

☐ Waterfowl

☐ Snakes

☐ Turtles

☐ Fish

☐ Frogs

☐ Toads

☐ Salamanders

☐ Beaver

☐ Muskrat

☐ Mink

☐ Otter

☐ Invertebrates

☐ Other

None

Presence of Rare, Threatened, or Endangered Species

☐ No

☐ Yes

☐ Undetermined

Species & Evidence

Notes (include weather, site access issues, culverts, etc.)

Fed by drain tile.

Sketch (Optional)



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-12</u>		Stream Name _____	
Stream Location <u>Southeastern region of project area</u>			
(e.g. nearest road, structure) _____			
<u>Stream Classification</u> <input checked="" type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral		<u>Flow</u> Direction <u>North</u> Dry <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> Flooding <input type="checkbox"/>	
<u>Streambed Substrate</u> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Boulders <input type="checkbox"/> Organic <input type="checkbox"/> <input checked="" type="checkbox"/> Cobble/Gravel Other <input type="checkbox"/>		<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>Presumed Regulatory Authority</u> U.S. Army Corps <input type="checkbox"/> State <input type="checkbox"/>	
		<u>Width Measurements (feet)</u> Ordinary High Water Mark <u>3</u> Across Existing Water <u>3</u> Flood Plain Present? Yes, Measure Bankfull Width _____ No, Measure Top of Bank Width <u>4</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> 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"/>	
<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>2</u> Right* <u>2</u> * Direction when facing downstream		<u>Bank Slope</u> Nearly Level to Gently Sloping 0 - 8% (0 - 5°) <input type="checkbox"/> Left* <input type="checkbox"/> Right* 8 - 15% (5 - 9°) Moderately Sloping <input checked="" type="checkbox"/> <input checked="" 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> Shale <input type="checkbox"/> Gravel <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Cobble <input type="checkbox"/> Organic <input type="checkbox"/> <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Riprap <input type="checkbox"/> Other <input type="checkbox"/>		<u>Aquatic Habitat</u> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input type="checkbox"/> <input checked="" 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) <input type="checkbox"/>	
		<u>Estimated Canopy Closure</u> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> <input checked="" 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% <input type="checkbox"/>	

Stream Inventory Data Form

Stream Delineation ID:

[illegible]



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> <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 _____		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>1</u> Width (ft.) across Ordinary High Water Mark* <u>3</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> <td style="width: 50%; text-align: center;">Left*</td> <td style="width: 50%; text-align: center;">Right*</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> </table>		Left*	Right*	_____	_____	_____	_____	X	X	_____	_____	_____	_____
Left*	Right*														
_____	_____														
_____	_____														
X	X														
_____	_____														
_____	_____														
<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

Stream Delineation ID

Adjacent Community Type

Ag fields

Percent Cover

Dominant Species

Trees

Shrubs

Herbaceous

Woody Vines

Bare Soil/Rock

Impervious

Type

Type

Observed Fauna

☐ Waterfowl

☐ Snakes

☐ Turtles

☐ Fish

☐ Frogs

☐ Toads

☐ Salamanders

☐ Beaver

☐ Muskrat

☐ Mink

☐ Otter

☐ Invertebrates

☐ Other

None

Presence of Rare, Threatened, or Endangered Species

☐ No

☐ Yes

☐ Undetermined

Species & Evidence

Notes (include weather, site access issues, culverts, etc.)

Fed by drain tile.

Sketch (Optional)



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> <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>.5</u>	Width (ft.) across Existing Water 1 _____ 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>4</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>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>4</u> Right* <u>4</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>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

Stream Delineation ID

Adjacent Community Type Pasture	
<u>Percent Cover</u> Trees _____ Shrubs _____ Herbaceous _____ Woody Vines _____ Bare Soil/Rock _____ Impervious _____	<u>Dominant Species</u> _____ _____ _____ _____ <u>Type</u> _____ <u>Type</u> _____
<u>Observed Fauna</u>	
<input type="checkbox"/> Waterfowl <input type="checkbox"/> Snakes <input type="checkbox"/> Turtles	<input type="checkbox"/> Fish <input type="checkbox"/> Frogs <input type="checkbox"/> Toads
<input type="checkbox"/> Salamanders <input type="checkbox"/> Beaver <input type="checkbox"/> Muskrat	<input type="checkbox"/> Mink <input type="checkbox"/> Otter <input type="checkbox"/> Invertebrates
<input type="checkbox"/> Other None	
<input type="checkbox"/> None <input type="checkbox"/> Yes <u>Species & Evidence</u> _____ <input type="checkbox"/> Undetermined	
<u>Notes (include weather, site access issues, culverts, etc.)</u> Drain tile fed stream.	
<div style="display: flex;"> <div style="width: 150px; padding-right: 10px;">Sketch (Optional)</div> <div style="border: 1px solid black; flex-grow: 1;"></div> </div>	



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><thead><tr><th></th><th>Left*</th><th>Right*</th></tr></thead><tbody><tr><td>0 - 8% (0 - 5°) Nearly Level - Gently Sloping</td><td></td><td></td></tr><tr><td>8 - 15% (5 - 9°) Moderately Sloping</td><td>X</td><td>X</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></tbody></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			<table><thead><tr><th></th><th>Left*</th><th>Right*</th></tr></thead><tbody><tr><td>Low</td><td>X</td><td>X</td></tr><tr><td>Moderate</td><td></td><td></td></tr><tr><td>High</td><td></td><td></td></tr></tbody></table> <u>* Direction when facing downstream</u>		Left*	Right*	Low	X	X	Moderate			High		
	Left*	Right*																															
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Moderate																																	
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Stream Inventory Data Form

Stream Delineation ID

[illegible]



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> <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>.5</u>	Width (ft.) across Existing Water <u>3</u> Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ Present? <input type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>5</u> Width (ft.) across Ordinary High Water Mark* <u>4</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>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		<u>Bank Height (ft.)</u> Left* <u>2</u> Right* <u>2</u> <i>* Direction when facing downstream</i>	<u>Bank Erosion Potential</u> Left* Right* Low <u>X</u> _____ Moderate _____ <u>X</u> 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

Stream Delineation ID

[illegible]



Stream Inventory Data Form

Project Name <u>Geronimo Brookside</u>		Date <u>9/6/2020</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-13</u>		Stream Name _____	
Stream Location _____ (e.g. nearest road, structure)		<u>Southeast region of Project Area</u>	
<u>Stream Classification</u> <input checked="" type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral		<u>Flow</u> 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> <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>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>Bank Height (feet)</u> Left* <u>1</u> Right* <u>1</u> <i>* Direction when facing downstream</i>		<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level to Gently Sloping 8 - 15% (5 - 9°) Moderately Sloping 15 - 25% (9 - 14°) Steeply Sloping 25 - 35% (14 - 20°) Steep >35% (>20°) Very Steep	
		<u>Bank Erosion Potential</u> Left* Right* Low <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> <input type="checkbox"/> High <input type="checkbox"/> <input type="checkbox"/>	
<u>Bank Substrate</u> <input type="checkbox"/> Shale <input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input checked="" 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 checked="" 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 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:

Adjacent Community Type	Forested Uplands, Hemlock-northern hardwood forest				
<u>Percent Cover</u>	<u>Dominant Species</u>				
Trees <u>50</u>	<i>Tsuga canadensis</i> (Eastern Hemlock)				
Shrubs _____	_____				
Herbaceous _____	_____				
Woody Vines _____	_____				
Bare Soil/Rock _____	<i>Type</i> _____				
Impervious _____	<i>Type</i> _____				
<u>Observed Fauna</u>					
_____ Waterfowl	_____ Fish	_____ Salamanders	_____ Mink	_____ Other	_____
_____ Snakes	_____ Frogs	_____ Beaver	_____ Otter		_____
_____ Turtles	_____ Toads	_____ Muskrat	_____ Invertebrates		_____
<u>Presence of Rare, Threatened, or Endangered Species</u>					
_____ No	_____ Yes	<i>Species & Evidence</i> _____			
_____ Undetermined	_____				
<u>Notes (include weather, site access issues, culverts, etc.)</u>					
Spring fed stream					

[illegible]



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> <input checked="" type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral		<u>Flow</u> 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 type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State																									
<u>Streambed Substrate</u> Shale <input checked="" type="checkbox"/> Sand Bedrock <input type="checkbox"/> Silt/Clay Boulders <input type="checkbox"/> Organic <input checked="" type="checkbox"/> Cobble/Gravel 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>Width Measurements (feet)</u> Ordinary High Water Mark <u>5</u> Across Existing Water <u>5</u> Flood Plain Present? Yes, Measure Bankfull Width _____ No, Measure Top of Bank Width <input checked="" type="checkbox"/>																									
<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>2</u> <i>* Direction when facing downstream</i>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2"><u>Bank Slope</u></th> <th>Left*</th> <th>Right*</th> </tr> <tr> <td>0 - 8% (0 - 5°)</td> <td>Nearly Level to Gently Sloping</td> <td></td> <td></td> </tr> <tr> <td>8 - 15% (5 - 9°)</td> <td>Moderately Sloping</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td>15 - 25% (9 - 14°)</td> <td>Steeply Sloping</td> <td></td> <td></td> </tr> <tr> <td>25 - 35% (14 - 20°)</td> <td>Steep</td> <td></td> <td></td> </tr> <tr> <td>>35% (>20°)</td> <td>Very Steep</td> <td></td> <td></td> </tr> </table>		<u>Bank Slope</u>		Left*	Right*	0 - 8% (0 - 5°)	Nearly Level to 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 Slope</u>		Left*	Right*																								
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8 - 15% (5 - 9°)	Moderately Sloping	X	X																								
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	Left*	Right*																									
Low	X	X																									
Moderate																											
High																											
<u>Bank Substrate</u> Shale _____ Gravel _____ Bedrock _____ Sand _____ Cobble _____ Organic _____ <input checked="" type="checkbox"/> Silt/Clay _____ Riprap _____ <input type="checkbox"/> Other _____		<u>Aquatic Habitat</u> Aquatic Vegetation _____ Mud Bar _____ <input checked="" type="checkbox"/> Overhanging Vegetation _____ Sand Bar _____ Undercut Banks _____ Riffle - Pool _____ Gravel Bar _____ Plunge Pools _____ <input type="checkbox"/> Other (None) _____																									
		<u>Estimated Canopy Closure</u> <table style="width: 100%;"> <tr> <td>0 - 10%</td> <td>50 - 60%</td> </tr> <tr> <td>10 - 20%</td> <td>60 - 70%</td> </tr> <tr> <td>20 - 30%</td> <td>70 - 80%</td> </tr> <tr> <td>30 - 40%</td> <td>80 - 90%</td> </tr> <tr> <td><input checked="" type="checkbox"/> 40 - 50%</td> <td><input type="checkbox"/> 90 - 100%</td> </tr> </table>		0 - 10%	50 - 60%	10 - 20%	60 - 70%	20 - 30%	70 - 80%	30 - 40%	80 - 90%	<input checked="" type="checkbox"/> 40 - 50%	<input type="checkbox"/> 90 - 100%														
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10 - 20%	60 - 70%																										
20 - 30%	70 - 80%																										
30 - 40%	80 - 90%																										
<input checked="" type="checkbox"/> 40 - 50%	<input type="checkbox"/> 90 - 100%																										

Stream Inventory Data Form

Stream Delineation ID:

Adjacent Community Type	Forested Upland, Hemlock-northern hardwood forest				
<u>Percent Cover</u>	<u>Dominant Species</u>				
Trees <u>40</u>	<i>Tsuga canadensis</i> (Eastern hemlock)				
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>					
Fed by spring, fed into wetland					

[illegible]



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>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping <input checked="" type="checkbox"/> Left* <input checked="" type="checkbox"/> 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 Erosion Potential</u> Left* Right* Low <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Moderate _____ 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

Stream Delineation ID

[illegible]



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> _____ Perennial <input checked="" type="checkbox"/> Intermittent _____ Ephemeral		<u>Flow</u> Direction <u>North</u> Dry _____ Low _____ <input checked="" type="checkbox"/> Moderate High _____ Flooding _____	
<u>Streambed Substrate</u> _____ Shale <input checked="" type="checkbox"/> Sand _____ Bedrock _____ Silt/Clay _____ Boulders _____ Organic <input checked="" type="checkbox"/> Cobble/Gravel _____ Other _____		<u>Channel Gradient</u> _____ <2% (<1°) Gentle <input checked="" type="checkbox"/> 2 - 4% (1 - 2°) Moderate _____ 4 - 10% (2 - 6°) Steep _____ >10% (>6°) Very Steep	
<u>Probed Stream Depth</u> <input checked="" type="checkbox"/> 0 - 6 in. _____ 6 - 12 in. _____ 12 - 24 in. _____ 24 - 36 in. _____ >36 in.		<u>Observed Use</u> _____ Boating _____ Shellfishing _____ Swimming _____ Irrigation _____ Fishing <input checked="" type="checkbox"/> Drainage _____ Drinking _____ Aquaculture _____ Other _____	
<u>Bank Height (feet)</u> Left* <u>2</u> Right* <u>2</u> * Direction when facing downstream		<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level to Gently Sloping 8 - 15% (5 - 9°) Moderately Sloping 15 - 25% (9 - 14°) Steeply Sloping 25 - 35% (14 - 20°) Steep >35% (>20°) Very Steep	
<u>Bank Substrate</u> _____ Shale _____ Gravel _____ Bedrock _____ Sand _____ Cobble <input checked="" type="checkbox"/> Organic <input checked="" type="checkbox"/> Silt/Clay _____ Riprap _____ Other _____		<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%	
<u>Bank Erosion Potential</u> Left* Right* Low <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Moderate _____ High _____		<u>Aquatic Habitat</u> _____ Aquatic Vegetation _____ Mud Bar <input checked="" type="checkbox"/> Overhanging Vegetation _____ Sand Bar _____ Undercut Banks <input checked="" type="checkbox"/> Riffle - Pool _____ Gravel Bar _____ Plunge Pools _____ Other (None) _____	



Stream Inventory Data Form

Stream Delineation ID:

Adjacent Community Type		Forested uplands, successional northern hardwoods			
<u>Percent Cover</u>		<u>Dominant Species</u>			
Trees	50	Speckled alder (Alnus incana)			
Shrubs	20	American cow-parsnip (Heracleum maximum)			
Herbaceous	60	Sensitive fern (Onoclea sensibilis)			
Woody Vines	15	Northern blackberry (Rubus arcticus)			
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> _____ Perennial <input checked="" type="checkbox"/> Intermittent _____ Ephemeral		<u>Flow</u> Direction <u>Northwest</u> Dry _____ <input checked="" type="checkbox"/> Low _____ Moderate _____ High _____ Flooding _____	
		<u>Presumed Regulatory Authority</u> <input checked="" type="checkbox"/> U.S. Army Corps <input checked="" type="checkbox"/> State	
<u>Streambed Substrate</u> _____ Shale _____ Sand _____ Bedrock _____ Silt/Clay _____ Boulders _____ Organic <input checked="" type="checkbox"/> Cobble/Gravel _____ Other _____		<u>Channel Gradient</u> _____ <2% (<1°) Gentle <input checked="" type="checkbox"/> 2 - 4% (1 - 2°) Moderate _____ 4 - 10% (2 - 6°) Steep _____ >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. _____ 6 - 12 in. _____ 12 - 24 in. _____ 24 - 36 in. _____ >36 in.		<u>Observed Use</u> _____ Boating _____ Shellfishing _____ Swimming _____ Irrigation _____ Fishing _____ Drainage _____ Drinking _____ Aquaculture _____ Other _____	
<u>Water Quality</u> <input checked="" type="checkbox"/> Clear _____ Slightly Turbid _____ Turbid _____ Very Turbid			
<u>Bank Height (feet)</u> Left* <u>2</u> Right* <u>2</u> * Direction when facing downstream	<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level to 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* _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<u>Bank Erosion Potential</u> Left* _____ Right* _____ Low _____ Moderate <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> High _____	
<u>Bank Substrate</u> _____ Shale _____ Gravel _____ Bedrock _____ Sand _____ Cobble _____ Organic <input checked="" type="checkbox"/> Silt/Clay _____ Riprap _____ Other _____		<u>Aquatic Habitat</u> _____ Aquatic Vegetation _____ Mud Bar _____ Overhanging Vegetation _____ Sand Bar _____ Undercut Banks _____ Riffle - Pool _____ Gravel Bar _____ Plunge Pools _____ Other (None) _____	
		<u>Estimated Canopy Closure</u> <input checked="" type="checkbox"/> 0 - 10% _____ 50 - 60% _____ 10 - 20% _____ 60 - 70% _____ 20 - 30% _____ 70 - 80% _____ 30 - 40% _____ 80 - 90% _____ 40 - 50% _____ 90 - 100%	



Stream Inventory Data Form

Stream Delineation ID:

Adjacent Community Type		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>					
<input type="checkbox"/> Waterfowl	<input type="checkbox"/> Fish	<input type="checkbox"/> Salamanders	<input type="checkbox"/> Mink	<input type="checkbox"/> Other	
<input type="checkbox"/> Snakes	<input type="checkbox"/> Frogs	<input type="checkbox"/> Beaver	<input type="checkbox"/> Otter		
<input type="checkbox"/> Turtles	<input type="checkbox"/> Toads	<input type="checkbox"/> Muskrat	<input type="checkbox"/> 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>	
Are around stream was recently clear cut, extended by JJB, int trib and wetland.	

Sketch



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> <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>Northwest</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>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping <input checked="" type="checkbox"/> Left* <input checked="" type="checkbox"/> 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 Erosion Potential</u> Left* Right* Low <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Moderate _____ 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

Stream Delineation ID

[illegible]



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> <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>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>7</u> Width (ft.) across Ordinary High Water Mark* <u>4</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>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping <input checked="" type="checkbox"/> Left* <input checked="" type="checkbox"/> 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>2</u> Right* <u>2</u> * 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> <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

Stream Delineation ID

[illegible]



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> <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>.5</u>	Width (ft.) across Existing Water <u>1</u> Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ Present? <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> <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>3.5</u> Right* <u>5</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>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

Stream Delineation ID

[illegible]



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> <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>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>8</u> Width (ft.) across Ordinary High Water Mark* <u>3</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>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>1.5</u> Right* <u>1.5</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

Stream Delineation ID

[illegible]



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> <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>1</u>	Width (ft.) across Existing Water <u>1</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> <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 _____	
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		<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

Stream Delineation ID

[illegible]



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> <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>6</u>	Width (ft.) across Existing Water <u>2.5</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>4</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	
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Stream Inventory Data Form

Stream Delineation ID

Adjacent Community Type

Ag field

Percent Cover

Dominant Species

Trees

Shrubs10

Herbaceous15

Woody Vines

Bare Soil/Rock

Impervious

Type

Type

Observed Fauna

☐Waterfowl☐Snakes☐Turtles

☐Fish☐Frogs☐Toads

☐Salamanders☐Beaver☐Muskrat

☐Mink☐Otter☐Invertebrates

☐OtherNone

Presence of Rare, Threatened, or Endangered Species

☐No☐Undetermined

☐YesSpecies & Evidence

Notes (include weather, site access issues, culverts, etc.)

Sketch (Optional)



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-03</u>		Stream Name _____																						
Stream Location _____																								
(e.g. nearest road, structure)																								
<u>Stream Classification</u> <input checked="" type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral		<u>Flow</u> Direction <u>East</u> Dry _____ Low _____ <input checked="" type="checkbox"/> Moderate High _____ Flooding _____																						
		<u>Presumed Regulatory Authority</u> <input checked="" type="checkbox"/> U.S. Army Corps <input checked="" type="checkbox"/> State																						
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<u>Probed Stream Depth</u> <input checked="" type="checkbox"/> 0 - 6 in. _____ 6 - 12 in. _____ 12 - 24 in. _____ 24 - 36 in. _____ >36 in.		<u>Observed Use</u> _____ Boating _____ Shellfishing _____ Swimming _____ Irrigation _____ Fishing <input checked="" type="checkbox"/> Drainage _____ Drinking _____ Aquaculture _____ Other _____																						
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Stream Inventory Data Form

Stream Delineation ID:

[illegible]



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:

