

Appendix D
Drainage Report

Appendix E
Wetland Delineation Report

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February 24, 2016

Dave Albrecht, P.E.
Borrego Solar Systems Inc.
55 Technology Drive, Suite 102
Lowell, MA 01851
dalbrecht@borregosolar.com

RE: Wetland Delineation and Resource Area Assessment
127 Stow Street
Acton, MA
NEE #15-4777

Dear Dave,

New England Environmental, Inc. (NEE) completed a wetland delineation and resource area assessment at two adjacent parcels located at 127 Stow Street in Acton and Stow, Massachusetts on July 20, 2015. The properties are being evaluated for a solar generating facility on behalf of Borrego Solar Systems Inc. The western parcel is located in Stow and the eastern parcel is located in Acton. The wetland delineation and resource area assessment were completed by NEE's Professional Wetland Scientist and focused on portions of the site where the solar generating facility and access road is proposed. Resource areas found on site consist of Bordering Vegetated Wetlands, Bank, Isolated Vegetated Wetlands, Bordering Land Subject to Flooding and possibly an area of Isolated Land Subject to Flooding. The following report summarizes our findings.

Please contact our office if you have any questions or comments regarding the following report.

Sincerely,
NEW ENGLAND ENVIRONMENTAL INC.



Meredith Borenstein
Professional Wetland Scientist

Attachments: Photopages
Figures
USACE Wetland Delineation Data Forms

1.0 SITE DESCRIPTION

The two parcels evaluated, referred to as the Site, total approximately 25 acres and are located at 127 Stow Street in the towns of Stow and Acton Massachusetts. The western parcel is approximately 20 acres and is located in Stow and the eastern parcel is approximately 5 acres and located in Acton. Uplands at the Site consist of upland pine forest and soil stockpile areas. There were numerous pieces of heavy equipment stored onsite as well as several school buses. An access road off of Stow Street in Stow extends from the south to the northwest through the Site. Forested wetlands surround the property to the north, east and south, while an upland forest exists to the west of the property. Figure 1 Locus Map illustrates the location of the Site on the USGS map and Figure 2 displays the parcels and wetland flags on an orthophotograph. Figure 3 displays flood zones in the vicinity of the subject parcels, and Figure 4 displays the subject area and any nearby Priority Habitat of Rare Species, as designated by the Natural Heritage Endangered Species Program (NHESP),

The topography of the site ranges from 0 to 25 percent slope. The steepest slopes occur along the western property boundary where a small hill is located. Vegetative cover throughout the upland forested portion of the site consists of white pine (*Pinus strobus*), Eastern hemlock (*Tsuga canadensis*), and white oak trees (*Quercus alba*). Trees located within or near the proposed solar array range in height from 50 to 75 feet.

According to the Web Soil Survey, soil series mapped on the site consist of the following: Swansea muck, Freetown muck, Hinckley loamy sand, Merrimac fine sandy loam, Sudbury and Paxton fine sandy loam, Sudbury fine sandy loam. Swansea and Freetown muck are mapped hydric soils and were confirmed during the Site assessment.

2.0 WETLAND RESOURCES

During the Site visit on July 20, 2015, NEE identified the following wetland resource areas. Figure 2, the Orthophotograph, illustrates the location of the wetland resources that were flagged during the delineation.

- Bordering Vegetated Wetland (BVW)
- Bank
- Isolated Vegetated Wetlands (IVW)
- Isolated Land Subject to Flooding (ILSF), if confirmed.

The FEMA Flood Insurance Rate Map for the Site does show the 100-year floodplain on a small section of the property in Acton, and indicates Bordering Land Subject to Flooding (see Figure 3). According to the Wetlands Protection Act regulations 310 CMR 10.57(2)(a)3., “the boundary of Bordering Land Subject to Flooding is the estimated maximum lateral extent of flood water which will theoretically result from the statistical 100-year frequency storm.” Where construction is necessary in BLSF areas, the general performance standards listed in regulations at 310 CMR 10.57(4)(a) of the Wetlands Protection Act should be followed.

There are no perennial streams mapped on the property; therefore, there is no Riverfront Area or Land Under Water.

2.1 Wetland Delineation Methodology

NEE delineated wetlands on the site using consecutively numbered, orange and black striped flagging tape or orange stick flags. The edge of the wetlands was determined using a multiple parameter method to identify the upland/wetland boundary. This approach emphasizes the use of hydrophytic vegetation as identified in the *National Wetlands Plant List, Final Draft Ratings, Northcentral-Northeast Region* (U.S. Army Corps of Engineers, 2014), and the 50% wetland vegetation criterion as outlined in the Massachusetts Wetlands Protection Act Regulations at 310 CMR 10.55(2)(c), and in the Corps of Engineers Wetland Manual (Technical Report Y-87-1).

The delineation also included the examination of soils, and the methodology from the DEP handbook entitled *Delineating Bordering Vegetated Wetlands* (1995). In accordance with this handbook, the flagged boundary was located to include all areas which contained a majority of wetland plants and hydric soils, with consideration given to other indicators of wetland hydrology when present.

2.2 Bordering Vegetated Wetlands

Bordering Vegetated Wetlands were flagged to the north, east, south and approximately 100 feet from the Site's boundary. The flags were placed at the transition from wetland soil and vegetation to upland soil and vegetation. The following flags were placed onsite by NEE to mark the edge of BVW:

- B-1 to B-37,
- C-1 to C113,
- E-1 to E-18.

Dominant vegetation found within Bordering Vegetated Wetlands consists of red maple (*Acer rubrum*), trees with eastern white pine and hemlock trees on the edge. Winterberry (*Ilex verticillata*) and high-bush blueberry (*Vaccinium corymbosum*) are found within the shrub layer, while cinnamon fern (*Osmundastrum cinnamomeum*) and skunk cabbage (*Symplocarpus foetidus*) are present within the herbaceous layer. Standing water and patches of common reed (*Phragmites australis*) also are present in the wetlands on site.

2.3 Bank

Bank is the resource area which confines waterways and water bodies. It extends from Mean Annual Low Water (MALW) to Mean Annual High Water (MAHW). At this Site, there are intermittent streams located within wetlands flagged with the B, C and E series. The banks of these streams were not flagged because BVW exists above the top of Bank. The following flag series were used to mark bank where there was no BVW above:

- D1-D21.

Bank has a 100-foot buffer zone.

2.4 Isolated Vegetated Wetland

An Isolated Vegetated Wetland (IVW) was identified and delineated on the southeastern side of the property boundary in Acton, slightly north of Stow Road. The following flag series were used to mark the edge of the IVW:

- A1-A16.

A berm or old road separates the isolated area from upland. The edge of the isolated area is vegetated with eastern white pine and hemlock trees. Evidence of hydrology is found with saturation to the soil surface and standing water. See Photo 3 in attached photopages. No inlets or outlets were observed during the site assessment.

Isolated Vegetated Wetlands are not protected under the Wetlands Protection Act and its implementing regulations; however, the town of Acton's Wetland Protection bylaw protects Isolated Wetlands. Section 1.3 of the Rules and Regulations states it protects any wetland and 100-feet around the resource area. Although this wetland is not on the subject property, the 100-foot buffer zone to this wetland is located on the subject property.

2.5 Isolated Land Subject to Flooding

Isolated Land Subject to Flooding is an isolated depression or closed basin without an inlet or an outlet. It is an area in which at least once a year confines standing water to a volume of at least $\frac{1}{4}$ acre-feet and to an average depth of at least six inches.

Wetland A is an isolated area located in a depression with no inlet or outlet. The observable limits of flooding were flagged in the field. Only an engineer can calculate if isolated areas meet the criteria for size to be considered an Isolated Land Subject to Flooding.

ILSF has no buffer zone under the Wetland Protection Act; however, Section F3.15 of the Town of Acton Wetlands Bylaw, includes and protects ILSF, IVW, and Vernal Pools as well as 100-feet around the isolated resource area.

Wetland A may also be a vernal pool.

2.6 Other Protected Areas

In addition to the field observations, NEE reviewed the Massachusetts Geographic Information System (MassGIS) to determine if the project is located within or near areas designated as priority habitat of rare species or estimated habitats of rare wildlife, certified vernal pools or potential vernal pools. These designations are made by The Massachusetts Natural Heritage and Endangered Species Program (NHESP).

The information on MassGIS indicates that there no certified or potential vernal pools mapped on the property. The Site is not mapped within priority habitat or rare species or estimated habitats of rare wildlife. A copy of this map is attached as Figure 4.

In addition to the field observations, NEE reviewed the Massachusetts Geographic Information System (MassGIS) to determine if the project is located within or near areas designated as priority habitat of rare species or estimated habitats of rare wildlife, certified

vernal pools or potential vernal pools. These designations are made by NHESP. The information provided by NHESP indicates that Priority Habitat of Rare Species is not found on the subject property (see Figure 4).

NEE also reviewed the MassGIS system to determine if the site was located within Outstanding Resource Waters (ORW) or an Area of Critical Environmental Concern (ACEC). ORWs are watershed areas that have been classified as such under the Massachusetts Surface Water Quality Standards. These watersheds constitute an outstanding resource as determined by their important socioeconomic, recreational, ecological and/or aesthetic values. These areas have been identified so that they may be protected and maintained. An ACEC is also an area designated in Massachusetts that receives special recognition because of the quality, uniqueness and significance of its natural and cultural resources. There are no ORW or ACEC located on the site.

3.0 SUMMARY

NEE completed a wetland delineation and assessment at two parcels located at 127 Stow Street in Acton and Stow, Massachusetts on July 20, 2015. During the assessment, NEE identified Bordering Vegetated Wetlands, Bank, Isolated Vegetated Wetlands and a possible area of Isolated Land Subject to Flooding. According the FEMA Floodplain maps, a small portion of the property in Acton is located within 100-year floodplain, thus is Bordering Land Subject to Flooding. There are no certified and potential vernal pools or areas mapped as priority habitat for rare species on the Site.

Any project which proposes work within 100 feet of protected wetlands will need to file a permit application with the Stow and Acton Conservation Commissions and the Massachusetts Department of Environmental Protection.

The determination of whether an area is subject to protection under the Wetlands Protection Act or local bylaws, and the location of protected resource areas, can only be made definitively by the local Conservation Commission or by the Department of Environmental Protection or Supreme Court on appeal. The limits of federal jurisdiction are determined by the Corps of Engineers. If you have any questions regarding this report, please do not hesitate to contact our office.

4.0 REFERENCES

- Jackson Scott. 1995. "Delineating Bordering Vegetated Wetlands Under the Massachusetts Wetlands Protection Act." Massachusetts Department of Environmental Protection.
- Massachusetts Division of Fisheries and Wildlife, Natural Heritage and Endangered Species Program. Massachusetts Natural Heritage Atlas, 13th Edition with 2010 web updates.
- Massachusetts Geographic Information System. January 2009. Outstanding Resource Waters. Massachusetts Department of Environmental Protection.
- Massachusetts Geographic Information System. December 2003. Areas of Critical Environmental Concern. Massachusetts Department of Environmental Protection.
- Massachusetts Geographic Information System. November 2014. FFMA National Flood Hazard Layer.
- Newcomb, Lawrence. 1977. Newcomb's Wildflower Guide. Little, Brown and Company.
- New England Interstate Water Pollution Control Commission Wetlands Work Group. 2004. Field Indicators for Identifying Hydric Soils in the Field, Version 3.
- Sorrie, Bruce and Paul Somers. 1999. The Vascular Plants of Massachusetts: A County Checklist. Natural Heritage and Endangered Species Program, Massachusetts Division of Fisheries and Wildlife.
- Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. *Web Soil Survey (WSS) Database for Massachusetts*. URL: <http://websoilsurvey.nrcs.usda.gov/app>. Accessed 7/17/2015.
- United States Department of Agriculture, Natural Resources Conservation Service. 2010. *Field Indicators of Hydric Soils in the United States, Version 7.0*. L. M. Vasilas, G. W. Hurt, and C. V. Noble (eds.). USDA, NRCS, in cooperation with the National Technical Committee for Hydric Soils.
- U.S. Army Corps of Engineers, Cold Regions Research and Engineering Laboratory. 2014. *Northcentral and Northeast 2014 Regional Wetland Plant List*.



Photo 1: Vegetation located on the wetland side of Flag C-113, within Wetland C.



Photo 2: Vegetation located on the upland side of Flag C-113, within Wetland C.



Photo 3: Overview of Isolated Wetland flagged with the A series. Photo taken looking east along old road.



Photo 4: Overview of former road surrounded by Bordering Vegetated Wetland flagged with the B series near flags B-9 and B-13. Photo taken looking west.



Photo 5: Overview of ponded area located within Wetland C. Photo taken looking northeast.



Photo 6: Overview of Bank flagged with the D-series. Photo taken looking southwest.



Photo 7: Overview of stream located within Wetland C. Photo taken looking north.



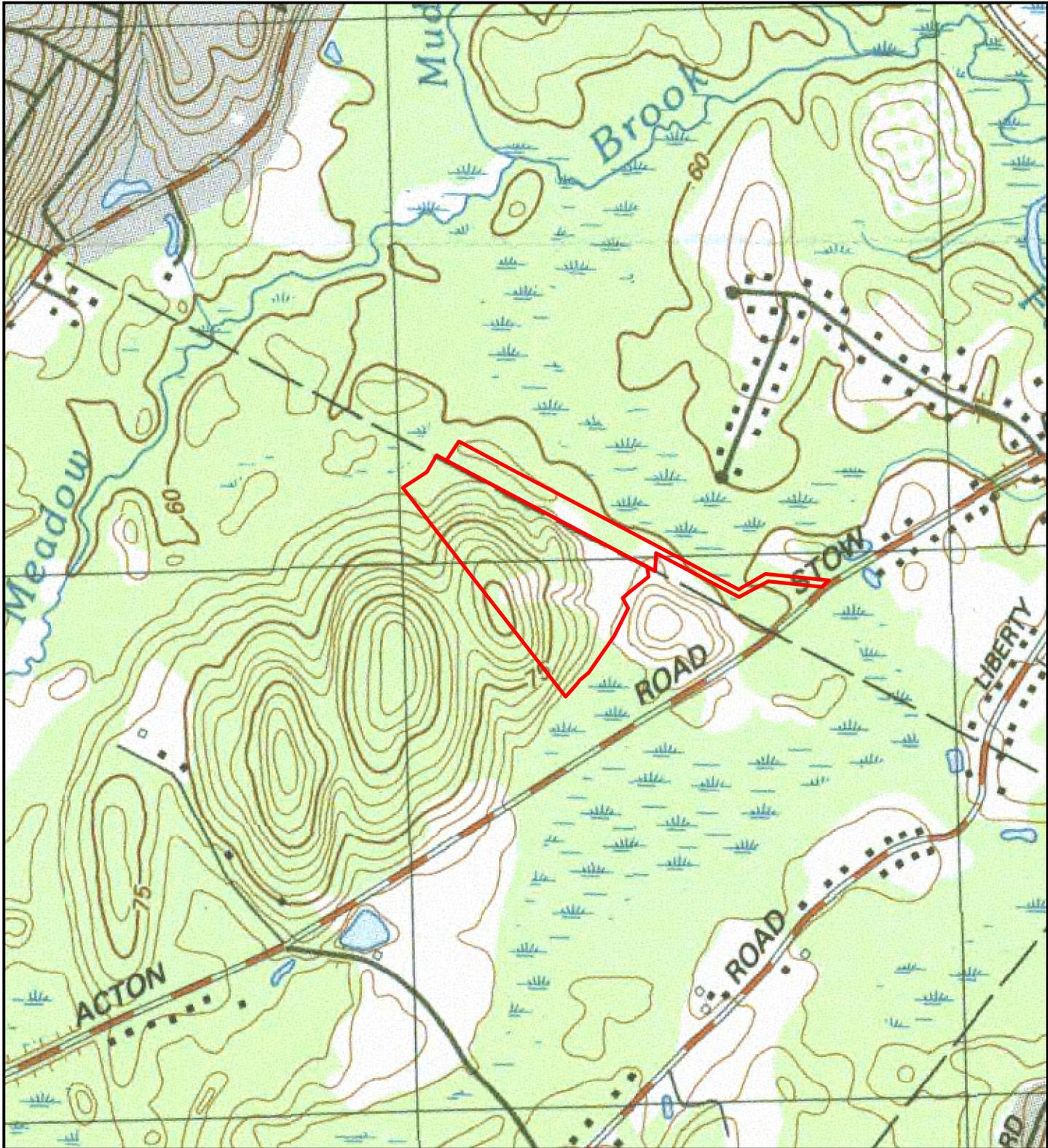
Photo 8: Culvert associated with the E-wetland series.



Photo 9: A view of the soil stockpile area in the middle of the site. Photo taken looking north.



Photo 10: Existing road leading into the site located on the southwest side of the property. Photo taken looking north.



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Figure 1. USGS Topographic Map

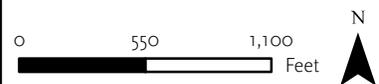
**127 Stow St.
 Acton, MA**

18 Feb 2016
 NEE Job # 15-4777

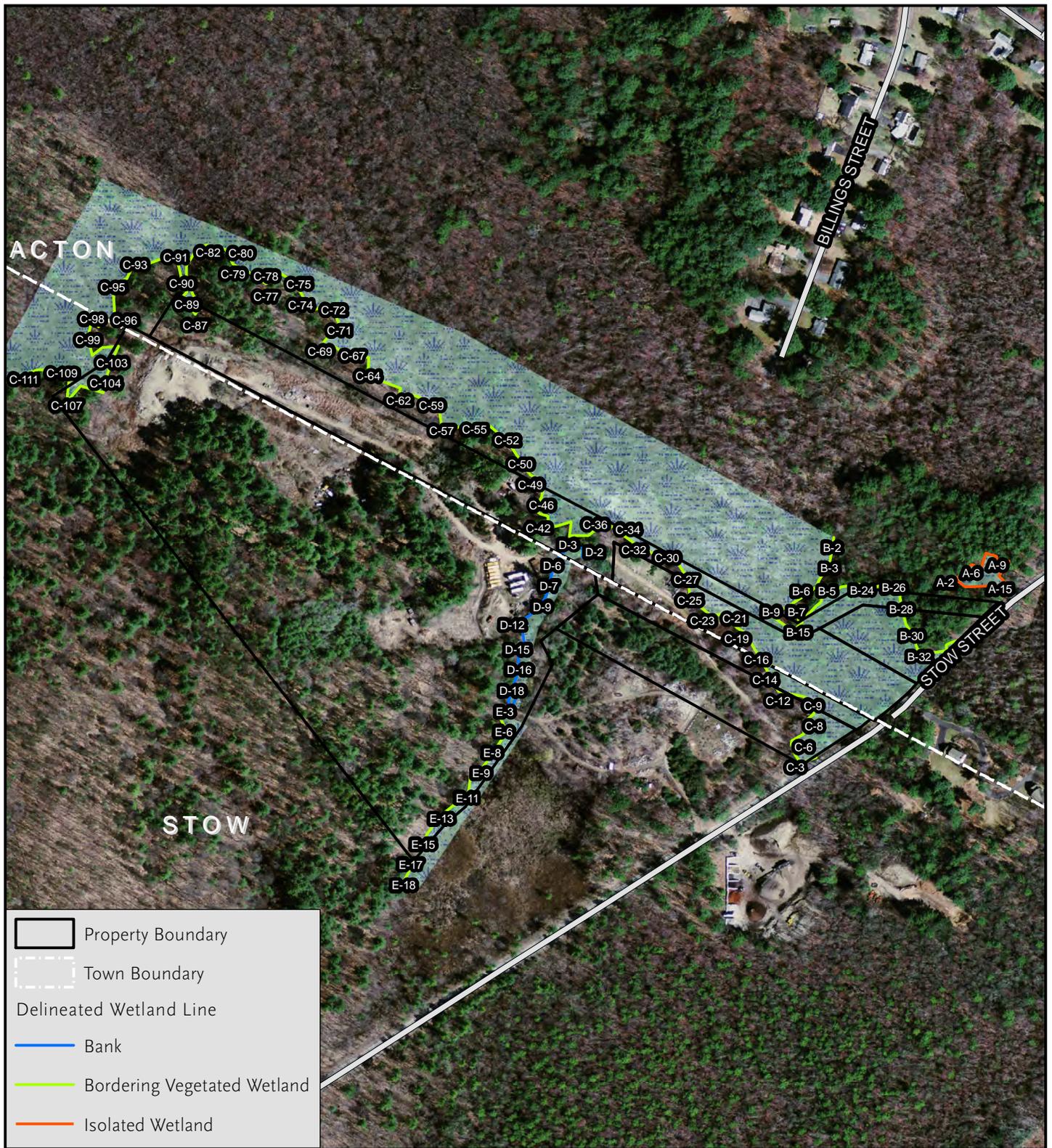
Data Source: Office of Geographic Information (MassGIS)

USGS Topographic Quadrangle Images

USGS Maynard Quadrangle



Latitude 42° 27' 18" N
 Longitude 71° 28' 40" W



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Figure 2. Delineated Wetlands

**127 Stow St.
Acton, MA**

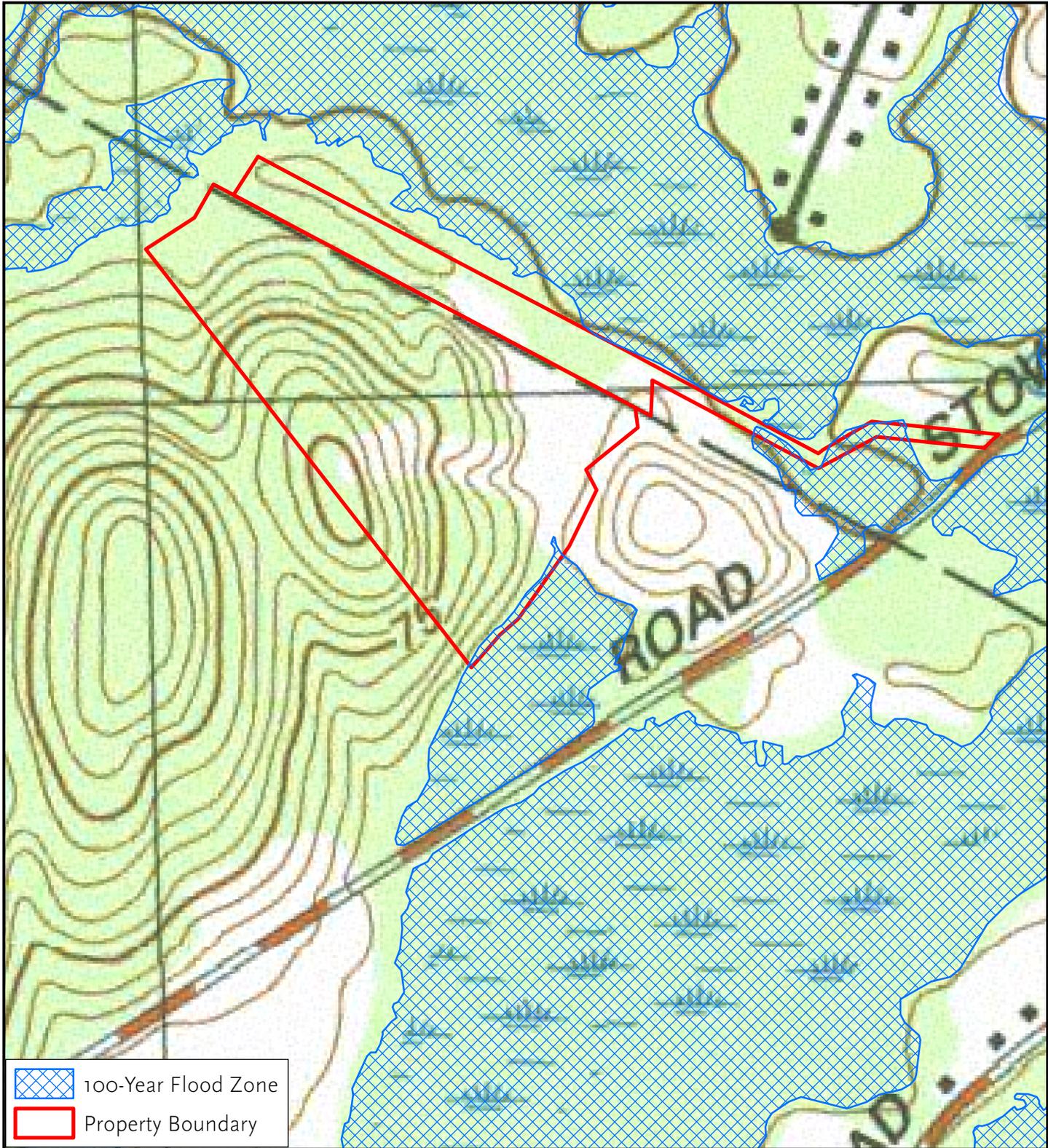
19 Feb 2016
NEE Job #15-4777

Data Sources: Office of Geographic Information (MassGIS), New England Environmental, Inc.

0 100 200 400 Feet



Latitude 42° 27' 13.5" N
Longitude 71° 28' 21.5" W



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Figure 3. 100-Year Flood Zone

**127 Stow St.
Acton, MA**

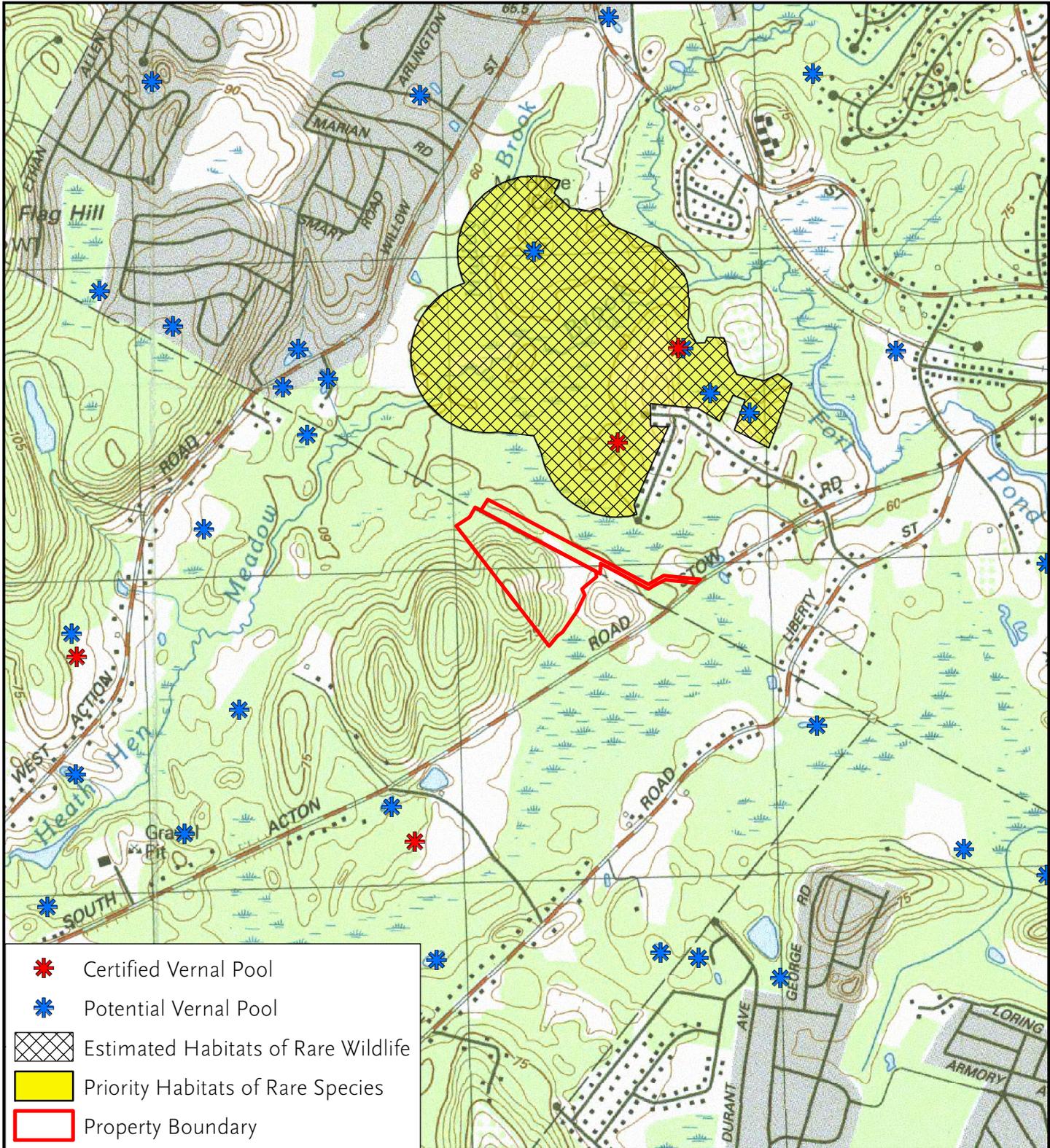
18 Feb 2016
NEE Job # 15-4777

Data Source: Office of Geographic Information
(MassGIS)

FEMA National Flood Hazard Layer - 2014



Latitude 42° 27' 18" N
Longitude 71° 28' 40" W



-  Certified Vernal Pool
-  Potential Vernal Pool
-  Estimated Habitats of Rare Wildlife
-  Priority Habitats of Rare Species
-  Property Boundary

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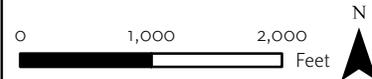
Figure 4. NHESP

**127 Stow St.
 Acton, MA**

18 Feb 2016
 NEE Job # 15-4777

Data Source: Office of Geographic Information (MassGIS)

NHESP Priority and Estimated Habitats of Rare Species, Oct 2008
 NHESP Certified Vernal Pools, June 2015
 NHESP Potential Vernal Pools



Latitude 42° 27' 18" N
 Longitude 71° 28' 40" W

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 127 Stow Street City/ County: Acton/Middlesex Sampling Date: 7/20/2015

Applicant/Owner: Borrego Solar Systems, Inc. State: MA Sampling Point: C113 Wet

Investigator(s): New England Environmental, Inc. Section, Township, Range: N/A

Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave

Slope (%): _____ Lat: 42° 27' 13.5" N Long: 71° 28' 21.5" W Datum: Mass State Plane

Soil Map Unit Name: Freetown Muck NWI classification: PFO1E

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

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) <input checked="" type="checkbox"/> Water-Stained Leaves (B9) <input checked="" type="checkbox"/> High Water Table (A2) _____ Aquatic Fauna (B13) <input checked="" type="checkbox"/> Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) _____ Inundation Visible on Aerial imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) _____ Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): <u>N/A</u> Water Table Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>8"</u> Saturation Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>at surface</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: C113 Wet

<u>Tree Stratum</u> (Plot size: <u>30 ft. radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Acer rubrum</i>	85.5	Yes	FAC	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>7</u> (A) Total Number of Dominant Species Across All Strata: <u>7</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)	
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
<u>85.5</u> = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species <u>31</u> x 1 = <u>31</u> FACW species <u>82.5</u> x 2 = <u>165</u> FAC species <u>85.5</u> x 3 = <u>256.5</u> FACU species <u>0</u> x 4 = <u>0</u> UPL (N/L) species <u>0</u> x 5 = <u>0</u> Column Totals: <u>199</u> (A) <u>452.5</u> (B) Prevalence Index = B/A = <u>2.27</u>	
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15 ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Ilex verticillata</i>	38	Yes	FACW		Hydrophytic Vegetation Indicators: _____ Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> Dominance Test is >50% <input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0 ¹ _____ 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>Vaccinium corymbosum</i>	20.5	Yes	FACW		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
<u>58.5</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 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall. Woody vines - All woody vines greater than 3.28 ft. in height.	
<u>Herb Stratum</u> (Plot size: <u>5 ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status		
<i>Sphagnum</i>	20.5	Yes	OBL		Hydrophytic Vegetation Present? Yes <u>X</u> No _____
<i>Onoclea sensibilis</i>	10.5	Yes	FACW		
<i>Osmunda cinnamomea</i>	10.5	Yes	FACW		
<i>Symplocarpus foetidus</i>	10.5	Yes	OBL		
<i>Thelypteris palustris</i>	3	No	FACW		
_____	_____	_____	_____		
_____	_____	_____	_____		
<u>55</u> = Total Cover					
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>None</i>	0			Hydrophytic Vegetation Present? Yes <u>X</u> No _____	
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
<u>0</u> = Total Cover					

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



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 127 Stow Street City/ County: Acton/Middlesex Sampling Date: 7/20/2015

Applicant/Owner: Borrego Solar Systems, Inc. State: MA Sampling Point: C113 UPL

Investigator(s): New England Environmental, Inc. Section, Township, Range: N/A

Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Convex

Slope (%): _____ Lat: 42° 27' 13.5" N Long: 71° 28' 21.5" W Datum: MA State Plane

Soil Map Unit Name: Freetown Muck NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No X (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No X

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 <u>X</u> Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report.)	

HYDROLOGY

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

Remarks:

