

CPPU USE ONLY	
App #:	
Doc #:	
Check #: No fee required	
Program: Natural Diversity Database Endangered Species	
Hardcopy Electronic	

Request for Natural Diversity Data Base (NDDB) State Listed Species Review

Please complete this form in accordance with the <u>instructions</u> (DEEP-INST-007) to ensure proper handling of your request.

There are no fees associated with NDDB Reviews.

Part I: Preliminary Screening & Request Type

Before submitting this request, you must review the most current Natural Diversity Data Base "State and Federal Listed Species and Significant Natural Communities Maps" found on the DEEP website . These maps are updated twice a year, usually in June and December.		
Does your site, including all affected areas, fall in an NDDB Area according to the map instructions: Yes No Enter the date of the map reviewed for pre-screening: Reviewed August 2019 using CTDEEP NDDB December 2018 map.		
This form is being submitted for a :		
 New NDDB request □ Renewal/Extension of a NDDB Request, without modifications and within two years of issued NDDB determination (no attachments required) 	 New Safe Harbor Determination (optional) must be associated with an application for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities Renewal/Extension of an existing Safe Harbor Determination With modifications 	
[CPPU Use Only - NDDB-Listed Species Determination # 1736]	☐ Without modifications (no attachments required) [CPPU Use Only - NDDB-Safe Harbor Determination # 1736]	
Enter NDDB Determination Number for Renewal/Extension:	Enter Safe Harbor Determination Number for Renewal/Extension:	

Part II: Requester Information

*If the requester is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the name shall be stated **exactly** as it is registered with the Secretary of State. Please note, for those entities registered with the Secretary of State, the registered name will be the name used by DEEP. This information can be accessed at the Secretary of the State's database CONCORD. (www.concord-sots.ct.gov/CONCORD/index.jsp)

If the requester is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).

If there are any changes or corrections to your company/facility or individual mailing or billing address or contact information, please complete and submit the Request to Change company/Individual Information to the address indicated on the form.

1.	Requester*		
	Company Name: Vanasse Hangen Brustlin, Inc		
	Contact Name: Jeffrey Shamas		
	Address: 100 Great Meadows Road		
	City/Town: Wethersfield	State: CT	Zip Code: 06109
	Business Phone: 860-807-4388	ext.	
	**E-mail: jshamas@vhb.com		
	**By providing this email address you are agreeing to receive this electronic address, concerning this request. Please remem can receive emails from "ct.gov" addresses. Also, please notif	ber to check you	ur security settings to be sure you
a)	Requester can best be described as:		
	☐ Individual ☐ Federal Agency ☐ State agence	cy 🗌 Municip	pality 🗌 Tribal
	★ business entity (* if a business entity complete i through)	iii):	
	i) Check type 🗵 corporation 🗌 limited liability comp	oany 🔲 limi	ited partnership
	☐ limited liability partnership ☐ statuto	ry trust 🔲 Ot	ther:
	ii) Provide Secretary of the State Business ID #: Thi	s information ca	an be accessed at the Secretary
	of the State's database (CONCORD). (www.concord	l-sots.ct.gov/CO	NCORD/index.jsp)
	iii) \square Check here if your business is NOT registered with the	ne Secretary of S	State's office.
b)	Acting as (Affiliation), pick one:		
	☐ Property owner ☐ Consultant ☐ Engineer ☐	☐ Facility owne	er
	☐ Biologist ☐ Pesticide Applicator ☐ Other re	epresentative:	
2.	List Primary Contact to receive Natural Diversity Data Badifferent from requester.	se correspond	lence and inquiries, if
	Company Name:		
	Contact Person:	Title:	
	Mailing Address:		
	City/Town:	State:	Zip Code:
	Business Phone:	ext.	
	**E-mail:		

Part III: Site Information

This request can only be completed for one site. A separate request must be filed for each additional site.

1.	SITE NAME AND LOCATION		
	Site Name or Project Name: Clean Focus Renewable Solar Project		
	Town(s): East Windsor		
	Street Address or Location Description: Wapping Rd, Rockville Rd, Miller Rd, and Barber Hill Rd		
	Size in acres, or site dimensions: 104 acres		
	Latitude and longitude of the center of the site in decimal degrees (e.g., 41.23456 -71.68574):		
	Latitude: 41.882742 Longitude: 72.53625		
	Method of coordinate determination (check one):		
	☐ GPS ☐ Photo interpolation using CTECO map viewer ☒ Other (specify): Google Earth		
2a.	Describe the current land use and land cover of the site.		
	The project site is currently comprised of approximately 104 acres of an active agricultural farmland. The Site will be utilized for an approximate 20 megawatt AC Solar photovoltaic electric generating facility. Based on review of the December 2018 NDDB map, the proposed site is not located in an overlay representing endangered, threatened and/or special concern species. There is a a polygon located immediately east of the northern parcel boundary.		
b.	Check all that apply and enter the size in acres or % of area in the space after each checked category.		
	☐ Industrial/Commercial ☐ Residential ☐ Forest		
	☐ Water ☐ Utility Right-of-way		
	☐ Transportation Right-of-way ☐ Other (specify):		
Part IV: Project Information 1. PROJECT TYPE:			
	Choose Project Type: Other , If other describe: Solar Photovoltaic Development		
	Is the subject activity limited to the maintenance, repair, or improvement of an existing structure within the existing footprint? Yes No If yes, explain.		

Part IV: Project Information (continued)

3.	Give a detailed description of the activity which is the subject of this request and describe the methods and equipment that will be used. Include a description of steps that will be taken to minimize impacts to any known listed species.
	The Project owner, Clean Focus Renewables is submitting this NDDB Review Request for the proposed installation of an approximate 20 megawattt AC photovoltaic electric generating facility. The total lease area is comprised of approximately 104 acres.
	The proposed activities for this project include: grading, top soil removal and replacement, construction of a new gravel access road, installation of photovoltaic arrays and equipment pads, and the installation of a chain-link security fence along the facility's perimeter. Soils will be stabilized with grass planting and stormwater will be controlled with structural BMP designed by engineers. This project is intended to participate in Connecticut's Virtual Net Metering program. Temporary construction measures will follow 2002 Connecticut Guidelines for Soil Erosion and Sediment Control to minimize secondary impacts.
4.	If this is a renewal or extension of an existing Safe Harbor request <i>with</i> modifications, explain what about the project has changed.
	N/A
5.	Provide a contact for questions about the project details if different from Part II primary contact. Name:
	Phone:
	E-mail:

Part V: Request Requirements and Associated Application Types

Check one box from either Group 1, Group 2 or Group 3, indicating the appropriate category for this request.

Group 1. If you check one of these boxes, complete Parts I – VII of this form and submit the required attachments A and B.
☐ Preliminary screening was negative but an NDDB review is still requested
Request regards a municipally regulated or unregulated activity (no state permit/certificate needed)
Request regards a preliminary site assessment or project feasibility study
Request relates to land acquisition or protection
Request is associated with a <i>renewal</i> of an existing permit or authorization, with no modifications
Group 2. If you check one of these boxes, complete Parts I – VII of this form and submit required attachments A, B, <i>and</i> C.
Request is associated with a <i>new</i> state or federal permit or authorization application or registration
Request is associated with modification of an existing permit or other authorization
Request is associated with a permit enforcement action
Request regards site management or planning, requiring detailed species recommendations
Request regards a state funded project, state agency activity, or CEPA request
☐ Group 3. If you are requesting a Safe Harbor Determination , complete Parts I-VII and submit required attachments A, B, and D. Safe Harbor determinations can only be requested if you are applying for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities
If you are filing this request as part of a state or federal permit application(s) enter the application information below.
Permitting Agency and Application Name(s): Connecticut Siting Council
Related State DEEP Permit Number(s), if applicable:
State DEEP Enforcement Action Number, if applicable:
State DEEP Permit Analyst(s)/Engineer(s), if known:
Is this request related to a previously submitted NDDB request? Yes No
If yes, provide the previous NDDB Determination Number(s), if known:

Part VI: Supporting Documents

Check each attachment submitted as verification that *all* applicable attachments have been supplied with this request form. Label each attachment as indicated in this part (e.g., Attachment A, etc.) and be sure to include the requester's name, site name and the date. **Please note that Attachments A and B are required for all new requests and Safe Harbor renewals/extensions with modifications.** Renewals/Extensions with no modifications do not need to submit any attachments. Attachments C and D are supplied at the end of this form.

Attachment A:	Overview Map: an 8 1/2" X 11" print/copy of the relevant portion of a USGS Topographic Quadrangle Map clearly indicating the exact location of the site.	
Attachment B:	Detailed Site Map: fine scaled map showing site boundary and area of work details on aerial imagery with relevant landmarks labeled. (Site and work boundaries in GIS [ESRI ArcView shapefile, in NAD83, State Plane, feet] format can be substituted for detailed maps, see instruction document)	
Attachment C:	Supplemental Information, Group 2 requirement (attached, DEEP-APP-007C) ☐ Section i: Supplemental Site Information and supporting documents ☐ Section ii: Supplemental Project Information and supporting documents	
Attachment D:	Safe Harbor Report Requirements, Group 3 (attached, DEEP-APP-007D)	

Part VII: Requester Certification

The requester *and* the individual(s) responsible for actually preparing the request must sign this part. A request will be considered incomplete unless all required signatures are provided.

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief."		
	August 2, 2019	
Signature of Requester (a typed name will substitute for a handwritten signature)	Date	
	D: 4 45 0 1	
Jeffrey R. Shamas	Director of Env. Services	
Name of Requester (print or type)	Title (if applicable)	
Signature of Preparer (if different than above)	Date	
Name of Preparer (print or type)	Title (if applicable)	

Note: Please submit the completed Request Form and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127

Or email request to: deep.nddbrequest@ct.gov

Attachment C: Supplemental Information, Group 2 requirement

Section i: Supplemental Site Information

1.	Existing Conditions
	Describe all natural and man-made features including wetlands, watercourses, fish and wildlife habitat, floodplains and any existing structures potentially affected by the subject activity. Such features should be depicted and labeled on the site plan that must be submitted. Photographs of current site conditions may be helpful to reviewers.
	The wetland delineation is underway and should be completed the week of August 5^{th} 2019. The solar array will be designed to avoid and minimize impacts to field delineated wetlands.
	☐ Site Photographs (optional) attached
	☐ Site Plan/sketch of existing conditions attached
2.	Biological Surveys
	Has a biologist visited the site and conducted a biological survey to determine the presence of any endangered, threatened or special concern species \square Yes \boxtimes No
	If yes, complete the following questions and submit any reports of biological surveys, documentation of the biologist's qualifications, and any NDDB survey forms.
	Biologist(s) name:
	Habitat and/or species targeted by survey:
	Dates when surveys were conducted:
	Reports of biological surveys attached
	☐ Documentation of biologist's qualifications attached
	□ NDDB Survey forms for any listed species observations attached
Sec	tion ii: Supplemental Project Information

1. Provide a schedule for all phases of the project including the year, the month and/or season that the proposed activity will be initiated and the duration of the activity.

Perimeter sediment controls will be installed before grubbing and temporary structural sediment controls will be installed within the work site.

Project construction will likely take 6-8 months and is expected to begin late Winter 2020. Construction will include the installation of the solar panels, access road(s), and sturctural stormwater best management practices (BMPs).

Following the construction phase, the site will be maintained by mowing and vegetation maitenance outside of the array to avoid shading panels and will incorporate any CT DEEP-required seasonal restrictions.

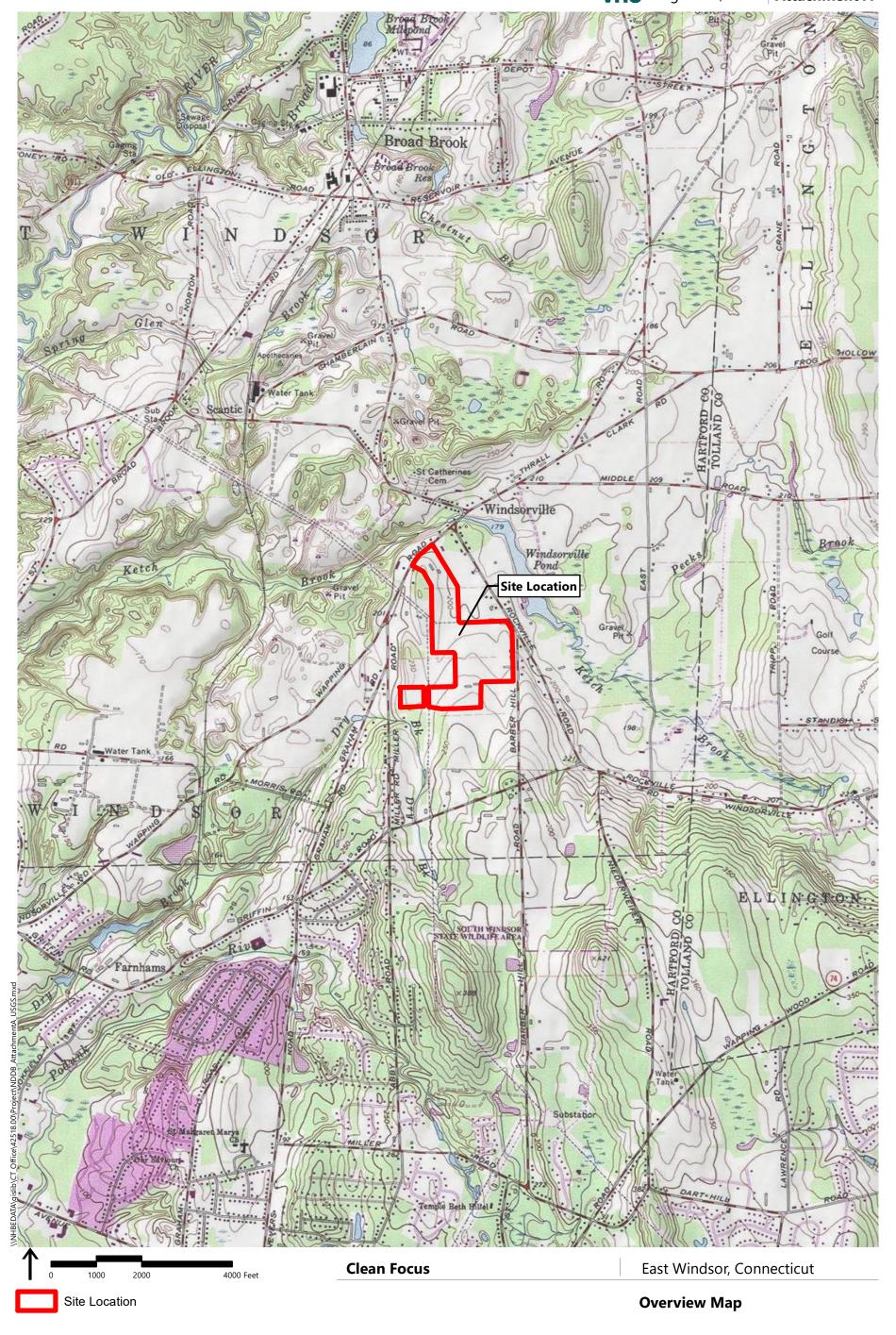
The anticipated project lifespan is 35 years and after that point the Project Area will be restored in accordance with a Decomissioning Plan.

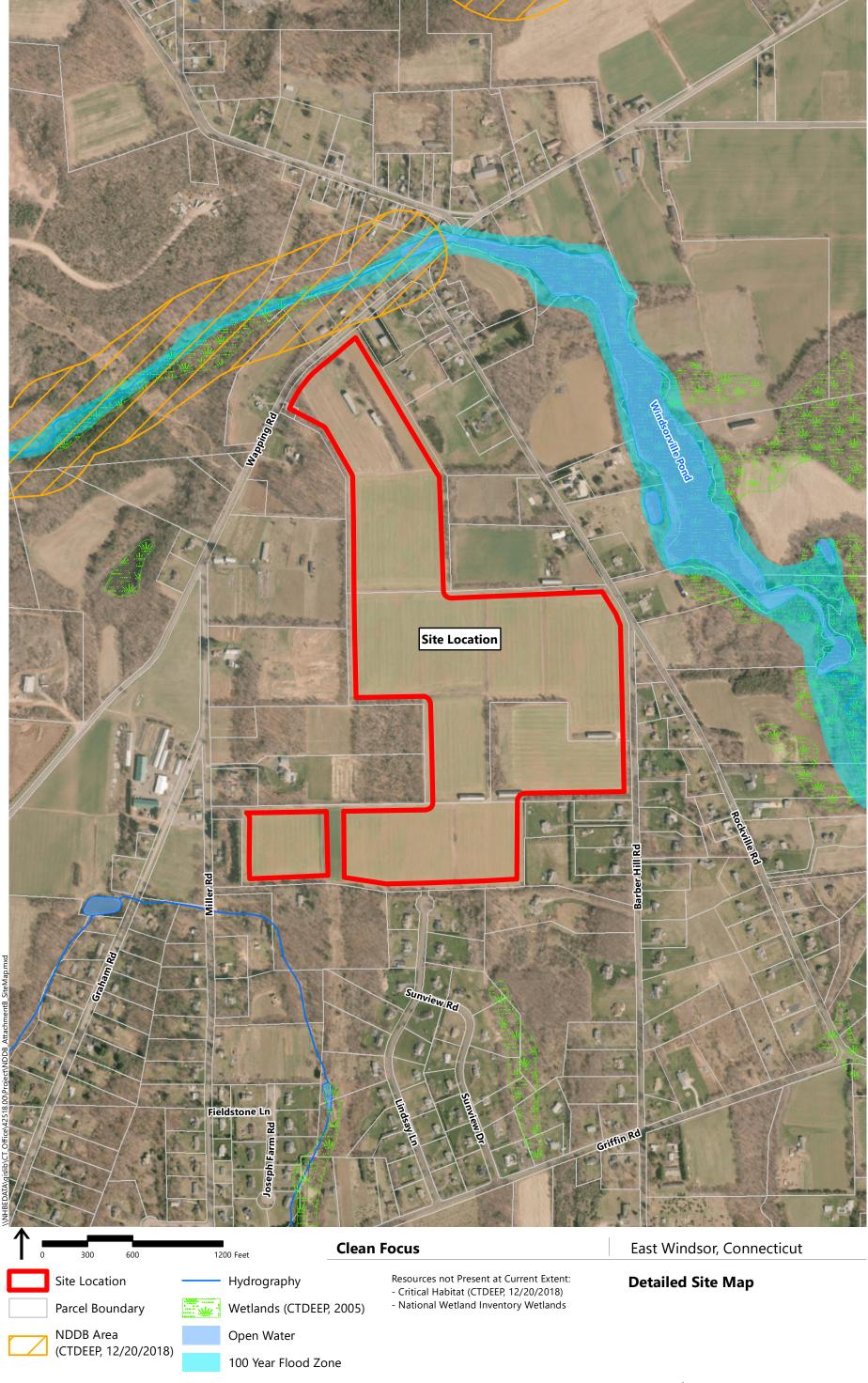
2.	Describe and quantify the proposed changes to existing conditions and describe any on-site or off-site impacts. In addition, provide an annotated site plan detailing the areas of impact and proposed changes to existing conditions.
	The lease area is approximately 104 acres to be developed for the proposed facility. Wetlands on the Site will be an assigned nominal 100-foot buffer. No project disturbance will occur in wetlands, watercourses or within 100 feet of these features.
	☐ Annotated Site Plan attached

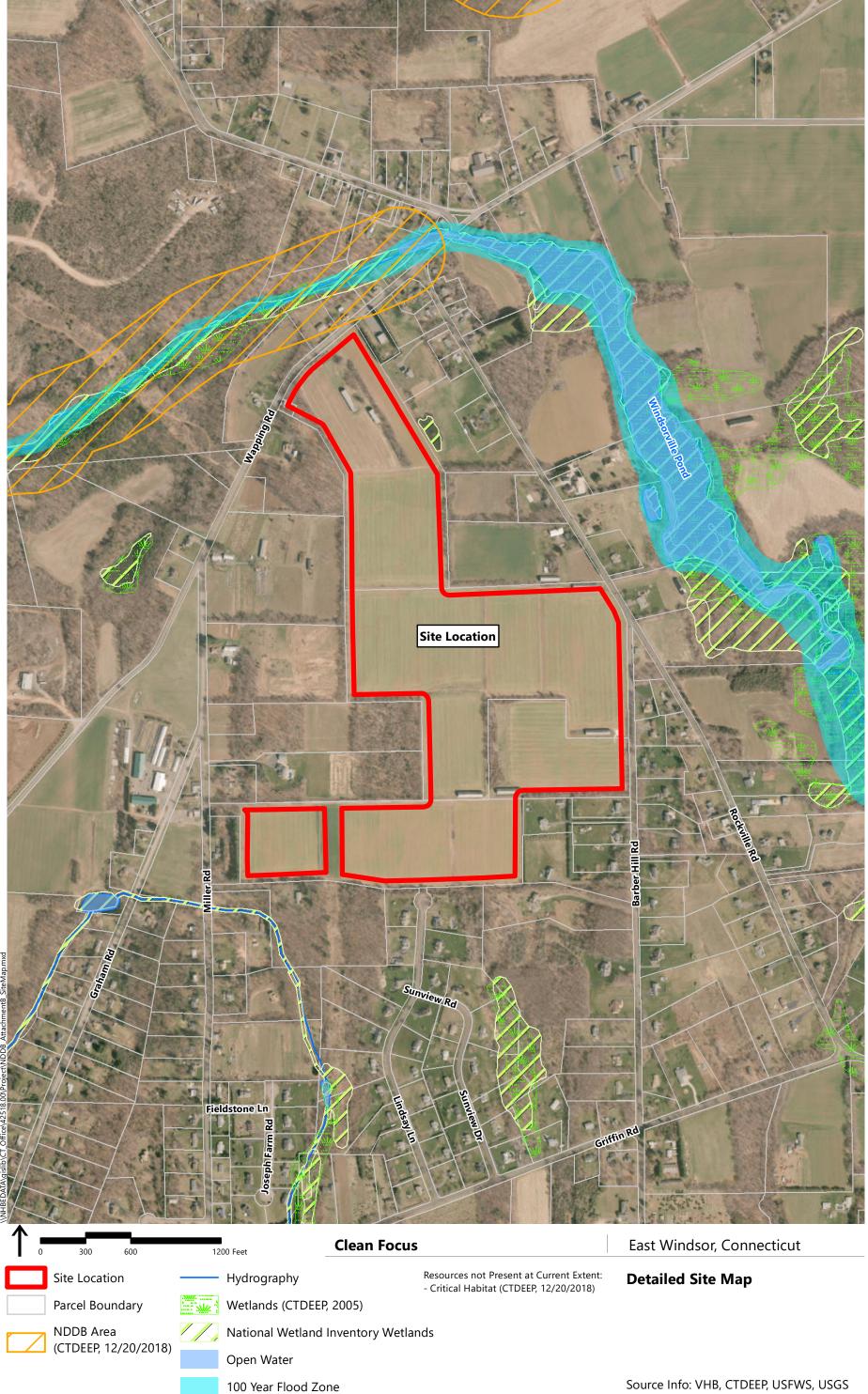
Attachment D: Safe Harbor Report Requirements

Submit a report, as Attachment D, that synthesizes and analyzes the information listed below. Those providing synthesis and analysis need appropriate qualifications and experience. A request for a safe harbor determination shall include:

- 1. Habitat Description and Map(s), including GIS mapping overlays, of a scale appropriate for the site, identifying:
 - wetlands, including wetland cover types;
 - plant community types;
 - topography;
 - soils;
 - bedrock geology;
 - floodplains, if any;
 - · land use history; and
 - water quality classifications/criteria.
- **2. Photographs** The report should include photographs of the site taken from the ground and also all reasonably available aerial or satellite photographs and an analysis of such photographs.
- **3. Inspection** A visual inspection(s) of the site should be conducted, preferably when the ground is visible, and described in the report. This inspection can be helpful in confirming or further evaluating the items noted above.
- **4. Biological Surveys** The report should include all biological surveys of the site where construction activity will take place that are reasonably available to a registrant. A registrant shall notify the Department's Wildlife Division of biological studies of the site where construction activity will take place that a registrant is aware of but are not reasonably available to the registrant.
- 5. Based on items #1 through 4 above, the report shall include a Natural Resources Inventory of the site of the construction activity. This inventory should also include a review of reasonably available scientific literature and any recommendations for minimizing adverse impacts from the proposed construction activity on listed species or their associated habitat.
- 6. In addition, to the extent the following is available at the time a safe harbor determination is requested, a request for a safe harbor determination shall include and assess:
 - Information on Site Disturbance Estimates/Site Alteration information
 - Vehicular Use
 - Construction Activity Phasing Schedules, if any; and
 - Alteration of Drainage Patterns







Natural Diversity Data Base Areas

EAST WINDSOR, CT

December 2018

State and Federal Listed Species & Significant Natural Communities

Town Boundary

NOTE: This map shows general locations of State and Federal Listed Species and Significant Natural Communities. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDB) from a number of data sources. Exact locations of species have been buffered to produce the general locations. Exact locations of species and communities occur somewhere in the shaded areas, not necessarily in the center. A new mapping format is being employed that more accurately models important riparian and aquatic areas and eliminates the need for the upstream/downstream searches required in previous versions.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a shaded area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

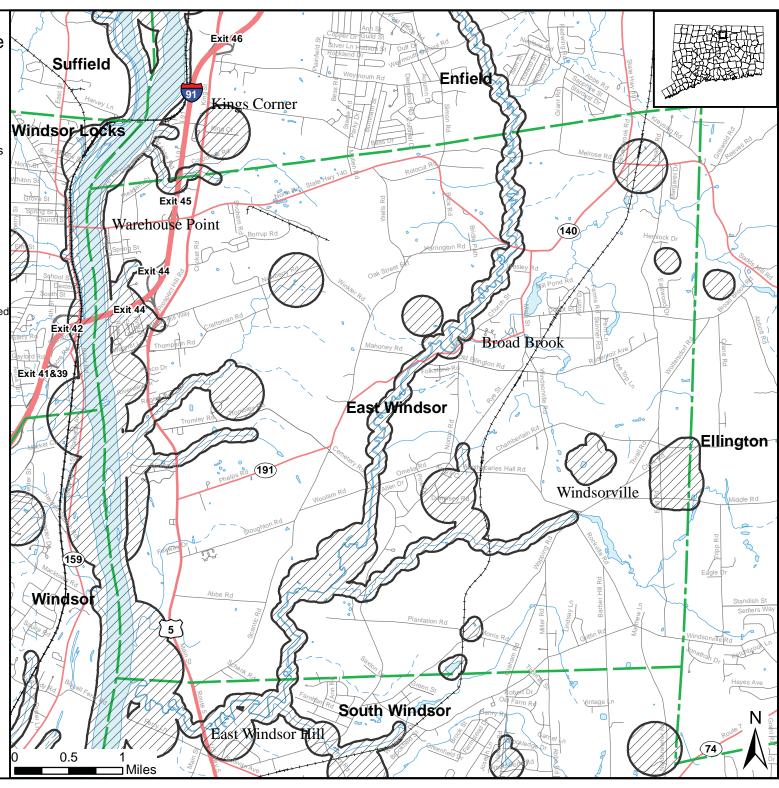
www.ct.gov/deep/nddbrequest

Use the CTECO Interactive Map Viewers at www.cteco.uconn.edu to more precisely search for and locate a site and to view aerial imagery with NDDB Areas.

QUESTIONS: Department of Energy and Environmental Protection (DEEP) 79 Elm St., Hartford CT 06106 Phone (860) 424-3011



Connecticut Department of Energy & Environmental Protection Bureau of Natural Resources Wildlife Division





August 20, 2019

Mr. Jeffrey Shamus Vanasse Hangen Brustlin, Inc. 100 Great Meadows Road Wethersfield CT 06109 jshamas@vhb.com

Project: Preliminary Assessment for Clean Focus Renewable Solar Project, Wapping Rd, Rockville Rd, Miller Rd, Barber HIIl Rd, East Windsor, Connecticut

NDDB Preliminary Assessment No.: 201908948

Dear Jeffrey Shamas,

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map provided for the Clean Focus Renewable Solar Project, Wapping Rd, Rockville Rd, Miller Rd, Barber Hill Rd, East Windsor, Connecticut.

According to our records there are known extant populations of State Listed Species known that occur within or close to the boundaries of this property. I have attached a list of these species to this letter. Please be advised that this is a preliminary review and not a final determination. A more detailed review will be necessary to move forward with any subsequent environmental permit applications submitted to DEEP for the proposed project. **This preliminary assessment letter cannot be used or submitted with your permit applications at DEEP**. This letter is valid for one year.

To prevent impacts to State-listed species, field surveys of the site should be performed by a qualified biologist when these target species are identifiable. A report summarizing the results of such surveys should include:

- 1. Survey date(s) and duration
- 2. Site descriptions and photographs
- 3. List of component vascular plant and animal species within the survey area (including scientific binomials). A complete ecological description of the habitats on site.
- 4. Data regarding population numbers and/or area occupied by State-listed species
- 5. Detailed maps of the area surveyed including the survey route and locations of State-listed species present on the site.
- 6. Statement/résumé indicating the biologist's qualifications. Please be sure when you hire a consulting qualified biologist to help conduct this site survey that they have the proper experience with target taxon and have a CT scientific collectors permit to work with state listed species for this specific project.

The site surveys report should be sent to our CT DEEP-NDDB Program (deep.nddbrequest@ct.gov) for further review by our program biologists along with an updated request for another NDDB review. Incomplete reports may not be accepted.

If you do not intend to do site surveys to determine the presence or absence of state-listed species, please let us know how you will protect the state-listed species from being impacted by this project. You may submit these protection plans with your new request for an NDDB review.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits.

Please contact me if you have further questions at (860) 424-3592, or dawn.mckay@ct.gov. Thank you for consulting the Natural Diversity Data Base. Sincerely,

Dawn M. McKay

Coun M. moka

Environmental Analyst 3

Species List for NDDB Request

	Scientific Name	Common Name	State Status	
Invertebrate Animal				
	Cicindela formosa generosa	Big sand tiger beetle	SC	
	Erynnis horatius	Horace's duskywing	SC	
	Margaritifera margaritifera	Eastern pearlshell	SC	
	Sympistis perscripta	Scribbled sallow moth	SC	
Vascular Pla	ant			
	Alopecurus aequalis	Short-awned meadow foxtail	Т	
	Gaylussacia bigeloviana	Dwarf huckleberry	Т	
	Lygodium palmatum	Climbing fern	SC	
	Triosteum angustifolium	Narrow-leaved horse gentian	E	
Vertebrate /	Animal			
	Accipiter striatus	Sharp-shinned hawk	E	
	Asio flammeus	Short-eared owl	Т	
	Falco sparverius	American kestrel	SC	
	Glyptemys insculpta	Wood turtle	SC	
	Melanerpes erythrocephalus	Red-headed woodpecker	E	
	Passerculus sandwichensis	Savannah sparrow	SC	