

November 8, 2021

ReJean DeVaux
 Borrego Solar Systems, Inc.
 30 Century Hill Drive, Suite 30
 Latham NY, 12110

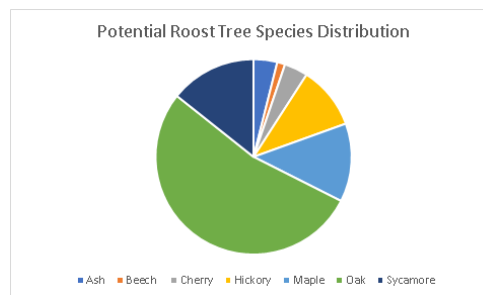
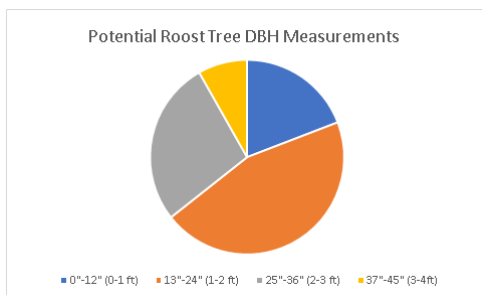
**Re: Indiana Bat & Northern Long Eared Bat Habitat Study
 111 Owens Road Solar Site
 Goshen, Orange County, NY**

Dear Mr. DeVaux:

Shumaker Consulting Engineering & Land Surveying, D.P.C, (SCE) facilitated a northern long eared bat (*Myotis septentrionalis*) and Indiana bat (*Myotis septentrionalis*) potential roost survey on November 27-28, 2021 for the parcel (Tax ID #10-1-10.22) located at 111 Owens Road in the Town of Goshen, Orange County New York. A description of these species’ preferred habitats, potential presence on site, and anticipated impact are discussed below.

The northern long-eared bat prefers summer roosting habitat described by the USFWS as both live and dead trees greater than 3” diameter at breast height (dbh) with cracks, crevices, cavities, and loose or exfoliating bark. The Indiana bat prefers summer roosting habitat described by the USFWS as both live and dead trees greater than 5” diameter at breast height (dbh) with crack, crevices, cavities and loose or exfoliating bark (3” dbh should be preserved for this species if larger DBH’s are not available). The forested areas on the project site are assumed to contain habitat meeting these criteria, and it is assumed that this species of bat utilizes the area.

Approximately 104 potential NLEB roost trees that have been identified within the project area or directly adjacent to the project area. The surveyed parcel consists of approximately 19.93 acres of wetland, 19.3 acres of early-stage successional forest, and 21 acres of meadow. The remaining 72 acres consist of predominantly mixed deciduous hardwood forest. Approximately sixteen (16) roost trees were located within wetland and early-stage successional forest with the remaining eighty-eight (88) roost trees located within the late-successional stage forest stand.



**DBH chart represents measured trees only. Identified Snags were counted within species distribution chart if genus could be identified.*

To avoid direct impacts to these species, all tree removal should occur between November 1 and March 31 when bats are hibernating and not utilizing summer roosting habitat.

If you have any questions or require additional information, please do not hesitate to contact Markku McGlynn in our Albany office at (607) 798-8081 or mmcglynn@shumakerengineering.com.

Very truly yours,

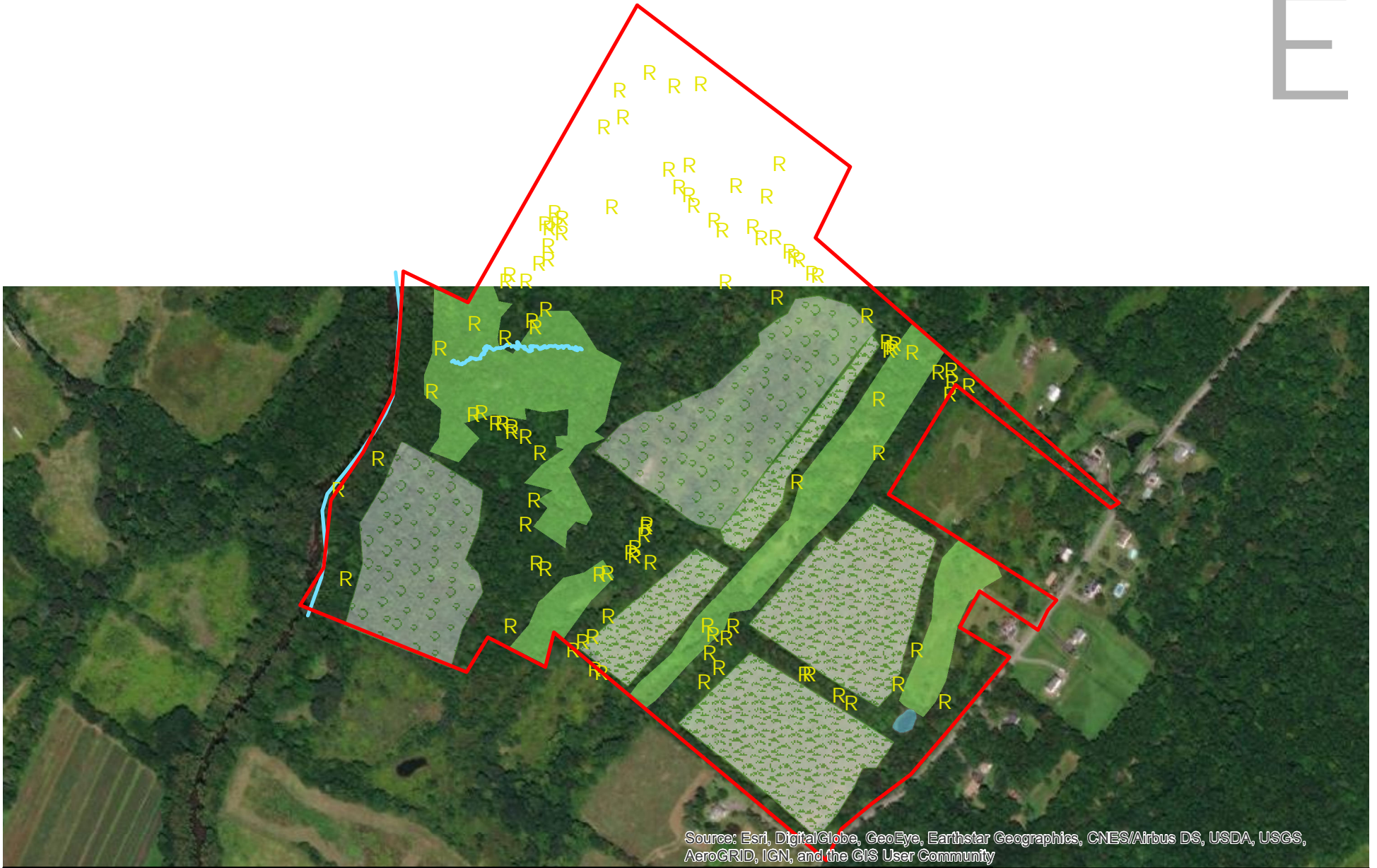
**SHUMAKER CONSULTING ENGINEERING
& LAND SURVEYING, D.P.**

A handwritten signature in black ink, appearing to read "Michelle Vedder". The signature is written in a cursive, flowing style.

Michelle E. Vedder
Environmental Scientist II

Enclosures

- Figure 1 Map of Potential Roost Trees



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend		FIGURE 1 ROOST TREE HABITAT SURVEY	0 395 790 Feet 1 inch = 567.891733 feet 1:6,815
Property Boundary	Meadow		
Potential Roost Trees	Pond		
Stream	Wetlands		
Early Successional Forest	Photograph Location		

County Coverage: Orange

Client Name: Borrego Solar Systems, Inc.