

2021 PROGRESS REPORT

Quarter: (circle one)

2021 1st

2021 2nd

2021 3rd

2021 4th

Grant Program, Number and Title: RCN 2 Project 2 Job 1 GSA 00136 Nocturnal moth surveying, specimen ID, and data management.

Organization: Sven the Entomologist LLC

Project Leader: Sven Strnad

Abstract: Please provide a short (1-2 paragraphs) abstract that addresses EACH of the following: the objectives of your project, accomplishments to date, future plans and timelines with an estimate for when the project will be completed.

The objectives of this project are to conduct five overnight moth collections at each of four sites in PA and MD during the summer of 2021, identify the moths, and then enter the data into a spreadsheet. Supplemental information collected will include weather conditions, a photo inventory of flowering plants near the moth traps, and soil density measurements.

During the fourth quarter, the goals were to visit the remaining sites in October and to report number of moths captured and their identifications that occurred during the third and fourth quarter.

Were planned goals/objectives achieved last quarter?

During the fourth quarter, area project leaders were notified of sampling dates. The remaining sites (Scotia and Michaux) were visited one time each. Moth collections and flowering plant observations were made at each visit. Voucher specimens were collected. To date, over 400 moth species have been identified. The total number of moths identified (10,194) during all sampling visits was reported.

Progress Achieved: (For each Goal/Objective, list Planned and Actual Accomplishments)

At each site, traps were set at the same GPS locations as in the previous sampling period. All traps worked well as indicated by the UV light being re-activated in the morning by manual covering the photoreceptor trigger switch. A few brief showers encountered and overall numbers of moths were reduced as was expected being later in the season. Moths collected during that time were protected by rain covers on the traps. No traps were vandalized.

Difficulties Encountered:

Due to a misunderstanding by the collector, voucher specimens were not set aside for each site but rather for the overall study. Fortunately, all samples were frozen thereby allowing the collector to re-examine them and to collect the appropriate voucher specimens.

Activities Anticipated Next Quarter:

Expected End Date:


January 31, 2022

Costs:

Total life to date expenses (include this quarter): \$27,808.80

Total Approved Budgeted Funds: \$38,000

Are you within the approved budget plan and categories? Yes

Signature: 

Date: JAN 29, 2022