

2021 PROGRESS REPORT

Quarter: (circle one) 2020 1st 2020 2nd 2020 3rd **2020 4th**

Grant Program, Number and Title: RCN 2 Project 2 Job 1, GSA 00078, Bee Identification and Specimen Data Management

Organization: Clare Maffei

Project Leader: John Heilferty

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.

Were planned goals/objectives achieved last quarter?

yes

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

See italicized progress following each goal below.

- a. Contractor will provide all primary bee identification services in support of the RCN project, under the supervision of Sam Droege and using USGS Patuxent Wildlife Research Center facilities. It is estimated that the contract will require the identification of between 3,000 and as many as 4,500 bee specimens during the course of this contract.
 - i. *Has identified all 2019 bees. Through a large portion of 2020 bees*
- b. Contractor will ensure that each specimen provided for identification is processed in manner facilitating the specimen's identification to be merged into a database to be primarily managed by contract staff of the USGS Patuxent Wildlife Research Center (Polistes Foundation staff).
 - i. *Some 2020 Q4 might be, and all Q1 bees are pending to DL*
- c. Contractor shall assist as necessary in the overall management of the RCN project bee database,
 - i. *Amanda Dillon and Joan Millam data all incorporated to DL, Many revisions and cleaning of the data itself to revise the original metadata for consistencies*
- d. Contractor will provide a brief summary report describing the general findings and noteworthy observations of the sampling season.
 - i. *Draft delivered with preliminary data by site*
- e. Contractor will collect and organize known biology and life history traits of the bee species pertinent to the research questions of the project. They will also compose a narrative portion describing the significance of these associations. Spreadsheet of literature sources associated with the characteristics they are relevant to
 - i. *Ongoing.*

Difficulties Encountered:

202 bees sent arrived in lab in January. Backlog. New fulltime position slowed mid quarter progress.

Activities Anticipated Next Quarter:

- a. *Continue 2020 bees*
- b. *Ongoing final report drafts*

Expected End Date: 2021

Costs:

Total life to data expenses (include this quarter): \$10,819

Total approved budget funds: \$22,150

Are you within the approved budget plan and categories?: yes

Signature: Clare Maffei

Date: 10/25/20