

# 2020 PROGRESS REPORT

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

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, except for Lasioglossum, in progress. Begun identifying "easy" 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. *All 2019 bees that have been identified are in DL*
- c. Contractor shall assist as necessary in the overall management of the RCN project bee database,
  - i. *2019 data is clean and available. 2018 has been cleaned, uploaded to DL, and is undergoing final review before submission to statistics team*
- d. Contractor will provide a brief summary report describing the general findings and noteworthy observations of the sampling season.
  - i. *Not relevant to this quarter.*
- 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. *Collection and organization begun, spreadsheet of literature sources being populated*

Difficulties Encountered:

Covid-19 preventing bees processing at USGS & delays with databasing with time constraints by all due to global pandemic.

Activities Anticipated Next Quarter:

- a. *Continue working on Lasioglossum & 2020 bees*
- b. *“complete” literature collection*
- c. *Draft outline for narrative*

Expected End Date: 2021

Costs:

Total life to date expenses (include this quarter): \$12,773

Total Approved Budgeted Funds: Unclear. Discussed maximum hours/bees to bill, not dollars.

Are you within the approved budget plan and categories? Per above, yes.

Signature: Clare Maffei

A handwritten signature in cursive script that reads "Clare Maffei".

Date: 10/25/20