

The Friends of Nachusa Grasslands 2017 Scientific Research Project Grant Report

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2017 grant amount: \$2,000

Please answer the following questions with 1- to 2- sentence summaries:

Research Project Topic: Additions to the Flora of Nachusa Grasslands Carex.

Research Project Purpose: To discover new Carex species

Research Project Outcomes to date: Report of new additions 11-23-17

Describe how the grant funds you have received from the Friends of Nachusa Grasslands have been used in regard to the above topic, purpose, and/or outcomes: Motels, travel gas, food.

Describe how your project has benefited the work and goals of Nachusa Grasslands: One of the goals is species richness in restoration. More Carex in seed mixes will benefit the overall diversity, which in turn benefits the numbers of birds, small mammals, turtles, etc.

Describe how your findings can be applied to challenges in management practices for restoration effectiveness and species of concern: Since only 0-7 Carex species of 65 known species are used in restoration seed mixes, the amount should be increased.

Please list presentations/posters you have given on your research: On October 21, Research Symposium, a poster of the micro-images of the newly found Carex.

Have you submitted manuscripts to scientific journals? If so, which ones? If not, do you anticipate doing so? (Please keep us informed on publications.)

Report attached, 11-23-17. An article on one of the poster species will be in the December Illinois Native Plant Society Harbinger. Website Illinois.wildflowers.info John Hilty saw the poster and asked for 3 of the Carex images for that site.

One item, the karst map in the report was specially designed for this research by the Illinois State Geological Survey.

Optional: Offer suggestions for improving the application and award process for future Friends of Nachusa Grasslands Scientific Research Grants:

