

Agency/Organization: US Geological Survey

Project Name: Seed Ecology of Threecorner Milkvetch

Project Number: 2023-USGS-2385A

Reporting Period: January 1, 2024 – March 31, 2024

Project Contact Name and Information: Lesley DeFalco, Ph.D.; USGS, Western Ecological Research Center; 500 Date St., Boulder City, NV; 89005. (702) 294-6591. ldefalco@usgs.gov

QUESTION 1: What did you accomplish during this reporting period? How did these accomplishments help you reach the goal of your project? If relevant, what indicators or benchmarks were used to determine your progress?

We were successful at holding our project kick-off meeting, developing our Work Plan (D01) and Data Management Plan (D02), and obtaining all relevant permits for this project (D03).

In mid-March 2024, we began surveys (M03) for *Astragalus geyeri* var. *triquetrus* (ASGET) within and near plots we watered in fall 2023-winter 2023/24 as part of Project 2021-USGS-2075A. We have seen emergence and are working to locate and assign plants to the various herbivory (cage vs. no cage), invasive competition (removal vs. intact neighbors), and pollination treatments (bagged vs. unbagged flower buds).

These Milestones and Deliverables are instrumental towards beginning field work and developing our final deliverables for this project.

QUESTION 2: What, if any, problems were encountered? Briefly describe those problems and the manner in which they were dealt.

No problems encountered.

QUESTION 3: What, if any, proposed activities were not completed? Briefly describe those activities, the reasons they were not completed and your plans for carrying them out.

None.

QUESTION 4: What is the calculated percent of work completed?

We are approximately 2% toward project completion.

QUESTION 5: Do you foresee any upcoming problems with future project activities? If so, how do you propose to overcome those problems?

None anticipated.

QUESTION 6: Is there anything else you want to tell the DCP about this project?

We have nothing additional to note concerning this project.

QUESTION 7: What was produced during the reporting period?

During the reporting period, we produced a Work Plan (D01), a Data Management Plan (D02), Permits (D03), and this Quarterly Progress Report (D04).