

Agency/Organization:
Southern Utah University

Project Name:
Edaphic Components of Las Vegas Bearpoppy Habitat

Project Number:
2023-SUU-2380A

Reporting Period:
July 1, 2024 – September 30, 2024

Project Contact Name and Information:
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QUESTION 1:

What did you accomplish during this reporting period?

- Spring 2024 field data summarized
- Prepared presentation for Annual Project Review Meetings, but did not present due to illness
- Reviewed issues with the spring 2024 field work and data, and updated the data management plan to address those issues
- Bulk soil samples data received from external lab and preliminary analysis completed
- Plot level soil analysis underway for spring 2024 samples
- Submitted Annual Data 2024

How did these accomplishments help you reach the goal of your project?

- Each of these accomplishments furthered our project goals as laid out in the SOW document. We have now completed nearly all work for 8/30 plots. We have also been able to learn from previous setbacks which will make the next round of sampling more efficient.

If relevant, what indicators or benchmarks were used to determine your progress?

QUESTION 2:

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

- We discovered several errors in the tabulated dataset that occurred during data entry. This is almost always the case with large datasets. However, our protocol of closely examining outlier data allowed us to relatively easily find the bad entries and make corrections.
- We retrained on proper tissue collection and storage methods and updated the work plan to include those steps.
- We discovered that the Lake Mead permit was issued with an incorrect end date (April 2024 rather than April 2025). This issue was corrected and a new permit with the correct end date was issued.

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.

- All planned activities were completed for this reporting period.

QUESTION 4:

What is the calculated percent of work completed?

- 8/17 deliverables completed, including D08 (current Quarterly Report), which equals 47.1% work completed.

QUESTION 5:

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

- The external lab analysis took slightly more time than they quoted us on, which may lead to us waiting for this data before we can complete our final analyses. This problem can easily be overcome by asking for a slight extension for the last few deliverables.

QUESTION 6:

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

- The external soils data analysis very clearly showed the samples from Perkin's Spring study site at Gold Butte contained very little to no gypsum in the soil, confirming our hypothesis that *Arctomecon californica* is not a true Gypsophile and can thrive in soils not containing gypsum.

QUESTION 7:

What was produced during the reporting period?

1. Field Data preliminary analysis
2. Soil Samples preliminary analysis
3. Updated work and data management plans
4. Presentation of current findings