

**Agency/Organization:**  
Southern Utah University

**Project Name:**  
Edaphic Components of Las Vegas Bearpoppy Habitat

**Project Number:**  
2023-SUU-2380A

**Reporting Period:**  
April 1, 2024 – June 30, 2024

**Project Contact Name and Information:**  
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## **QUESTION 1:**

### **What did you accomplish during this reporting period?**

- We completed the spring 2024 field work during this reporting period. This included collecting soil and tissue samples from four transects at eight study sites (3 in the Lake Mead area, and 5 in the Gold Butte area) for a total of 32 transects completed. At each transect, in addition to soil and tissue samples, we collected soil depth, surface cover, perennial plant species frequency, and perennial plant cover. The collected data were entered into a spreadsheet. Soil sample processing is underway (data entered into a spreadsheet), and the first set of samples will be sent to Utah State University Analytical Laboratory for analysis late next week. We hope to have preliminary data back from the lab in time to present at the 2024 Annual Project Review Presentation next month.

### **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 work on 8 of 30 study sites. The field crew got more efficient with each completed transect, so we anticipate completing 15-20 study sites during the fall field season.

### **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 encountered one problem with our tissue samples. Samples were to be stored in a coin envelope and then placed in silica gel for drying. However, the envelopes on some of the samples were not fully sealed resulting in silica gel contaminating those tissue samples. Fresh samples will need to be taken to replace the contaminated samples, which will be collected during the next field season. A new procedure will be developed for ensuring the coin envelopes are sealed properly before the next field season (work plan will be revised), and the field crew will be trained on the new protocol.

### **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?**

- 6/17 deliverables completed, including D06 (current Quarterly Report), which equals 35.3% work completed.

### **QUESTION 5:**

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

- Currently, we do not foresee any issues.

### **QUESTION 6:**

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

- Nothing specifically. Our field season went very well regarding our soil collection efforts and soil processing has gone smoothly so far as well. The project is moving forward according to plan.

### **QUESTION 7:**

**What was produced during the reporting period?**

1. Populated datasheets for each of the 32 completed transects.
2. Soil samples (10/transect \* 4 transects/study site \* 8 study sites = 320 samples)
3. Soil samples analysis datasheet
4. Spreadsheet of collected field data
5. Spreadsheet of soils weight data