

**Agency/Organization:** EcoCulture

**Project Name:** Evaluation of Screwbean Mesquite Ecosystem

**Project Number:** 2021-ECOCULTURE-2070A

**Reporting Period:** April 1 to June 30th, 2024

**Project Contact Name and Information:**

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**QUESTION 1: What did you accomplish during this reporting period?  
How did these accomplishments help you reach the goal of your project?**

- All seedlings were transplanted into 4" x 14" "tall ones" pots. They are growing well and the seedlings that were replanted after the large mortality event (discussed in the previous report) are of similar size to the seedlings from the original planting. This is good as we would like all seedlings to be robust with good root development filling the pots by the time of out-planting, which we are scheduling for January 2025.
- The site for the screwbean mesquite common garden was changed from Clark Co. Wetlands to a 2-acre site on the Cocopah Reservation near Yuma, AZ. This site will have a drip irrigation system installed and maintained by full-time staff of the tribe and will lie within a larger 15 acre ongoing mesquite bosque restoration project. This new location should be more suitable for the project as the tribe already has funding for irrigation and maintenance and they are happy to let the trees grow indefinitely, which will allow time for variation in susceptibility to pathogenic attack becomes apparent.

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

Clark County Wetlands withdrew their offer to help coordinate and maintain an irrigation system for the common garden. Further, the previously selected site was deemed unsuitable for the garden. In response, we sought out alternative planting locations and found the Cocopah Reservation site, which we believe represents a high-quality site that will have a high likelihood of success.

**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 proposed activities were carried out.

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

We estimate that 40 % of work has been completed for this project. This low number reflects the fact that the labor-intensive aspects remaining for common garden creation (completion of grow-out, planting of the common garden and maintenance of the common garden) have yet to be completed.

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

At this time, we foresee no upcoming problems with future project activities.

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

There is nothing else we would like to report at this time.

**QUESTION 7: What was produced during the reporting period?**

There were no new products during the reporting period.