

Agency/Organization: University of Nevada Las Vegas

Project Name: Autogenic Restoration at the BCCE

Project Number: 2023-UNLV-2395A

Reporting Period: October 1, 2025 – December 31, 2025

Project Contact Name and Information:

Scott R. Abella

Associate Professor, Restoration Ecology

School of Life Sciences

University of Nevada Las Vegas

4505 S. Maryland Parkway

Las Vegas, Nevada 89154-4004

scott.abella@unlv.edu

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?

For CBE number 606949-24, Autogenic Restoration at the Boulder City Conservation Easement, Project Number 2023-UNLV-2395A, during the reporting period, we completed the fall 2025 survey as scheduled and updated the project database. Additionally, we surveyed for seedling emergence.

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

No problems occurred during this quarter.

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.

The main objective for this quarter, conducting the fall 2025 survey and updating the database with the recent field survey data, was completed. We are preparing for the next spring 2026 survey.

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

We have completed an estimated 75% of the project.

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

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We do not foresee potential problems for the main project objectives at the present time. However, as a consideration discussed during the pre-proposal phase and the proposed activities phase of this project, we are observing the beginnings of the deterioration of the abiotic structures constructed at the sites. This is not unexpected and indeed is one of the questions the project is seeking to answer. One of the key questions in abiotic restoration is how long do abiotic treatments persist. Another question, however, is how long do treatment effects persist from the abiotic structures. As the pits and vertical mulch structures begin to “fail” (pits fill in or vertical mulch structures collapse), these treatments may have achieved the goal of facilitating plant colonization which can be determined in the spring 2026 inventory.

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

We plan to conduct the spring treatment surveys in mid- to late April, similar to previous years efforts, to capture annual plant emergence and growth and seedling emergence. However, we anticipate needing to monitor site conditions to move up surveys or conduct additional surveys earlier in spring to capture treatment responses, as early fall-winter rainfall has led to earlier emergence of winter-emerging ephemerals.

QUESTION 7: What was produced during the reporting period?

During this project period, we updated the project database, including the photograph archive, which includes plot photographs taken during each survey period.