



Date of Issuance: June 6, 2022

DESERT CONSERVATION PROGRAM PROJECT COMPLETION SUMMARY:

RIPARIAN PLANT-POLLINATOR ECOLOGY PHASE I

2019-UNLV-1992A

The work for the above referenced project has been completed. Below is a summary of project related information.

The purpose of the above referenced project was:

The purpose of this project was to conduct biological inventories and measure ecological processes for vegetation, floral resources, soil seed banks, and seed arriving at sites in locations where Clark County established patches of native riparian vegetation as plant and faunal habitat.

The major accomplishments or findings of this project include:

The first phase of the project was successfully completed. Five patches in which Clark County restored native plants in 2014 were each sampled with a 100 square meter plot in each patch. Four plots were then sampled in the non-native tamarisk monoculture surrounding each native patch to assess how vegetation, seed banks, and seed rain changed with distance from native patch. In total, 25 plots were sampled. Vegetation was sampled by species using cover classes. Soil seed bank samples were collected in May 2020, placed in a greenhouse facility at the University of Nevada Las Vegas, and assayed using the emergence technique by counting seedlings and via the extraction technique by directly separating seeds from soil. Seed rain was measured throughout the summer and autumn of 2020 by deploying seed traps that were inventoried every two weeks to monthly.

For more information about this project and/or for other Project Reports or Symposium Reports, please visit our [website](#)

If you have any questions about this project please contact DCP Project Manager Stefanie Ferrazzano at (702) 455-6386.



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