



March 4, 2025

DESERT CONSERVATION PROGRAM PROJECT COMPLETION SUMMARY
Bat Surveys
2021-SWCA-2095C

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:

Clark County commissioned the development of species distribution models for species that will be covered under a proposed amendment to the Clark County Multiple Species Habitat Conservation Plan (MSHCP). The creation of models will help inform natural resource managers of the potential locations of suitable habitat for sensitive species within the County. The County looks to further refine species distribution models by collecting additional species occurrence data, specifically targeting the proposed Reserve System and the MSHCP Amendment Impact Areas. The project will specifically focus on collecting species occurrence data for Townsend's big-eared bat and the spotted bat, who are proposed for coverage under the amended MSHCP.

The major accomplishments or findings of this project include:

Spotted bat and Townsend's big-eared bat were detected at multiple locations in Year 1. Both target species were recorded within the proposed MSHCP Amendment Reserve System and the proposed MSHCP Amendment Impact Areas. Spotted bat was detected acoustically at four locations along the Muddy River. Acoustic survey results support the model in that all detections in Year 1 were within predicted foraging habitat for the spotted bat. Townsend's big-eared bat was detected acoustically at nine survey locations and during both summer and winter roost surveys. Twenty-five of the 26 roost survey locations where Townsend's big-eared bat was detected were modeled as unsuitable habitat, with the remaining detection located modeled as marginal. Given the presence of additional potentially suitable roosting sites outside predicted habitat, it is likely that more habitat is occupied by this species than is currently predicted. It is recommended that additional surveys are conducted in previously unsurveyed areas.

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 Kimberley Jenkins, at (702) 455-55

