

Date of Issuance: May 9, 2023

**DESERT TORTOISE PREDATOR-PREY DYNAMICS
2019-USGS-1987A**

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

The purpose of the above referenced project was:

This project was designed to gain a better understanding of the dynamics and community interdependencies between the desert tortoise's primary predators – coyotes (*Canis latrans*) and the coyote's primary prey – black-tailed jackrabbits (*Lepus californicus*). Using that information, the goal is to inform a strategy to mitigate future translocations from being severely impacted by coyote predation on desert tortoises.

The major accomplishments or findings of this project include:

- Determined variability in demographics of coyotes and jackrabbits in the Boulder City Conservation Easement (BCCE).
- Determined the home range and habitat use patterns of coyotes and jackrabbits in the BCCE.
- Determined health status and mortality rates for coyotes and jackrabbits in the BCCE.
- Developed methods to obtain reliable density estimates that are cost effective.
- Synthesized jackrabbit abundance and predator densities and movements.

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 Scott Cambrin at (702) 455-3859.