

Date of Issuance: June 8, 2022

DESERT CONSERVATION PROGRAM PROJECT COMPLETION SUMMARY:

CONNECTIVITY DATA ANALYSIS

2015-HERON-1580J

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:

The purpose of this project was to evaluate the ability of culverts to maintain connectivity of desert tortoise populations within Clark County using existing Clark County data on tortoise captures near culverts, movement of GPS-telemetered tortoises near culverts, and crossing rates obtained from remote cameras within culverts.

The major accomplishments or findings of this project include:

- Analyzed mark-recapture data to derive tortoise abundance estimates on either side of existing culverts along U.S. Highways 93 and 95.
- Analyzed GPS location data to delineate distinct movement states of tortoises in relation to their proximity to U.S. Highway 95.
- Analyzed remote camera results to evaluate crossing frequencies in relation to disparities in tortoise densities across culverts.
- Produced written reports and provided spatial product outputs (e.g., movement state assignments, plot-level tortoise density estimates, etc.)

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.