

Agency/Organization: Bio Logical LLC

Project Name: Desert Tortoise Occupancy on the Boulder City Conservation Easement

Project Number: 2020-BIO-2021D

Reporting Period: July 1, 2024 – September 30, 2024

Project Contact Name and Information:

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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?

During this quarter, Bio Logical delivered all data from the completion of field work. The debrief meeting, M22, was completed with Scott Cambrin and Dan Roadhouse. The Annual Project Review Presentation, M23, was conducted by Dan Roadhouse.

Completed items for this quarter were; D35 Quarterly Report Q2, D36 Annual Project Data, M22 Debrief Meeting, D37 Annual Project Report, and M23 2024 Annual Project Review Presentation.

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

Milestones and deliverables during this quarter were unaffected by any notable problems.

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.

All proposed activities for this quarter were completed successfully and delivered on time and complete.

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

An unweighted 'line item' only calculation of project completed currently sits at 100% (24 of 24 task items) for year four, 2023. For year five in 2024, 23 out of 29 (79.3%) are now complete upon this submittal. All tasks are on schedule as described in deliverable schedule.

QUESTION 5: Do you foresee any upcoming problems with future project activities?



If so, how do you propose to overcome those problems?

Bio Logical is constantly fine tuning both our office processes and our field processes to create workflows and processes that are streamlined. After five years of this project, we still have a few things that we can see some additional improvements on to head off future problems.

The biggest problems to conduct this same work again next year are factors outside of our control. For instance, drone operations are somewhat impacted by critical infrastructure, Temporary Flight Restrictions, and weather. While most of these factors are beyond our ability to control, we can mitigate them in various ways. For the weather, we are exploring options to source a drone with greater capabilities for wind handling than the drone used for 2024. Increasing the operating envelope of our equipment would make all but the most extreme weather events a non-issue for photo data collection.

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

Bio Logical appreciates the opportunities to work with DCP in various ways on this project. Scott Cambrin is easy to reach and work with and provides feedback on deliverables rapidly.

QUESTION 7: What was produced during the reporting period?

Bio Logical completed all milestones and produced all deliverables related to Q3 of the 2024 field season. Dan Roadhouse prepared a presentation for the DCP symposium that was delivered to DCP for review and presented on August 19, 2024.