

**Project Summary**  
**Rocky Mountains Cooperative Ecosystem Studies Unit**

**Task Agreement #:** G20AC00347

**Project Title:** Assessing Avian Responses to Riparian Restoration in the Colorado River Delta

**Discipline:** Natural

**Type of Project:** Technical Assistance/Research

**Funding Agency:** United States Geological Survey

**Other Partners/Cooperators:** Colorado State University

**Student Participation:** No

**Effective Dates:** 09/01/2020 to 08/31/2021

**Funding Amount:** \$44,650.00

**Investigators and Agency Representative:**

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**Project Abstract:**

Project goals: The goal of this research is to statistically analyze relationships between bird occurrence, density, and diversity and local vegetation, and other potential explanatory factors (e.g., land use, hydrology, management practices) in the context of restoration efforts in the Colorado River Delta.

Project objectives: Specific objectives are to answer the following questions:

- 1) Does riparian restoration increase bird diversity and the frequency or abundance of desirable bird species or guilds, compared to no action?
- 2) Is variation in bird diversity and the occurrence or abundance of desirable bird species or guilds best explained by restoration actions, vegetation composition and structure, landscape context, or interactions between these factors? Does the answer to this question depend on spatial scale?