

Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Understanding the factors that influence boreal toad survival and response to population invasion by the amphibian chytrid fungus.

Discipline: Natural
Type of Project: Research
Funding Agency: National Park Service
Other Partners/Cooperators: Colorado State University
Student Participation: Yes
Effective Dates: 7/1/18 - 5/31/20
Funding Amount: \$14,998

Investigators and Agency Representative:

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Project Abstract:

A. Project Goal

To understand factors that impact survival in early life stages of toads where management actions can be employed to improve successful reproduction.

B. Project Objectives -

Objective 1: Compare survival probabilities of aquatic life stages among wild and introduced populations.

Objective 2: Estimate overwinter survival probability for post-metamorphic individuals in wild and reintroduced populations.

Objective 3: Assess the potential for indirect effects of cutthroat trout on tadpole habitat-use and behavior at Spruce Lake.

Objective 4: Explore factors related to the probability of reproductive failure at toad breeding sites within the SRM.

Keywords: Boreal Toad, Chytrid Fungus, Amphibians, Cutthroat Trout, Spruce Lake, Toad Breeding, Rocky Mountain National Park, Endangered Species.