

Jacquelyn D. Evans — BRI Undergraduate Researcher

My name is Jacquie Evans and I am from Gilbert, Arizona, a suburb of Phoenix. I will be a senior at Arizona State University (ASU) in the Wildlife and Restoration Ecology program as of fall 2015. Even though I grew up in the city, I earned my appreciation for nature during trips I took with my dad starting when I was very young. The past few summers I have been an intern with the Arizona Game and Fish Department working for the research branch which has given me a variety of field experience, including assisting the vet team on a bighorn sheep capture and electroshocking streams for stocked trout. I will graduate from ASU in May of 2016 with my BS, after which I intend to pursue a MS degree in wildlife. I chose to be a part of the Borderlands Research Institute's Undergraduate Research Program to add to my diverse experiences with wildlife and research as well as better prepare myself for graduate school.



Comparison of Common Methods Used in Wetland Seed Bank Analyses

1 June — 15 August, 2015

A thorough characterization of the viable seed bank in wetland habitats is a useful management tool, although determination of composition is time consuming and laborious. Many studies have compared the accuracy and effectiveness of methodologies for determining the composition of the seed bank, though literature lacks a comprehensive comparison of all methodologies and treatments. Using personal experience from the management of a greenhouse for Ryan Anthony's wetland seedling emergence study and extensive literature review, I will be evaluating the primary methods for seed bank analyses. I will also discuss greenhouse management and determination of appropriate sampling size while emphasizing the importance of a preliminary study.



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