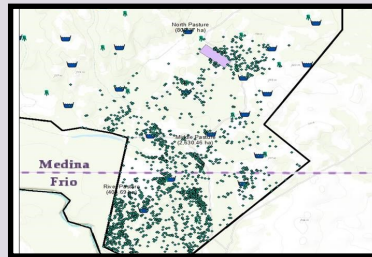


Jorge Bustamante — BRI Undergraduate Researcher

My name is Jorge Bustamante. I was born in Alpine, TX and raised in the small border town of Presidio, TX. With my father being an Agriculture Engineer in Mexico, the love for the outdoors was instilled in me at an early age where I spent my time ranching, fishing on the Rio Grande, and hunting in Mexico. I received my B.S. from Sul Ross State University in December of 2015, majoring in Natural Resource Management with an emphasis in Wildlife Management. During my undergraduate career I worked as a Wildlife Technician for the Borderlands Research Institute, primarily with the Desert Quail Research Program working with scaled quail ecology. During this time, I was fortunate to have the opportunity to volunteer with many other research projects, including bighorn sheep, pronghorn, mule deer, and white-tailed deer. I also completed an undergraduate research project through the Borderlands Research Institute evaluating artificial water and feed utilization of white-tailed deer.



Artificial Water and Feed Utilization of High-Fenced White-tailed Deer

16 October — 15 December 2015

I assisted graduate student Daniel Tidwell in the evaluation of artificial water and feed utilization between native and captive-reared white-tailed deer within a high-fenced ranch. Based on data collected via GPS collars, we were able to see the movements of both native and captive-reared deer on the ranch. This data allowed us to statistically assess the average distance traveled, frequency of visits, and time spent at artificial water and feed sources by the collared deer. Results of this study will ultimately reveal the optimum density and distribution of artificial water and feed sources needed to maintain a successful high-fenced white-tailed deer herd. All of these factors will potentially help landowners make better management decisions when managing high-fenced white-tailed deer herds.



The BRI Undergraduate Research and Mentorship Program is proudly supported by a grant from the Houston Livestock Show and Rodeo.