

CALIFORNIA STATE SCIENCE FAIR 2015 PROJECT SUMMARY

Name(s) Emily R. Auten	Project Number J1201
Project Title	
Mammals under the Moon	
Abstract	
Objectives/Goals The purpose of my project was to determine how the moon phas passing through the Scotts Creek Watershed. My hypothesis sta the number of animals seen would increase.	
 Methods/Materials Four Bushnell Wildlife Cameras were set up in various location month period (July 2014 - January 2015) to collect data. The lo likelihood for high animal activity. The data was collected and were analyzed to determine the presence of a mammal and its sp to camera location, photo number, species, temperature, date, tin first quarter, waxing crescent, new, waning crescent, third quart then graphed correlating moon phase and all species, and moon highest frequency of activity. Results 	ocations were chosen based on the entered into the computer, and the photos pecies. The data was organized according me, and moon phase (full, waxing gibbous, ter, and waning gibbous). The data was
Four wildlife cameras captured a total of 535 animal photos dur month period. Twelve different species were identified in the p having the highest sample size. During the full moon, 19 photo waxing gibbous phase, 46 in first quarter, 76 in waxing crescent quarter, and 20 in the waning gibbous phase. There were 179 pl phase which is approximately one third of all photos taken. Conclusions/Discussion	whotos, with bobcat, deer, skunk, and fox by were taken; There were 59 photos in t, 87 in waning crescent, 49 in third
In this study, 535 animal pictures from 4 different wildlife came were analyzed for mammal activity in conjunction with the mod found that as the moon became darker, or closer to the new mod movement captured by the cameras. In fact, 33.5% of the total a moon phase.	on phase over a 6 month period. The study on, there was a higher frequency of animal
Summary Statement My project looked at how the phase of the moon affects animal	movement.
Help Received Swanton Pacific Ranch allowed use of the wildlife cameras on t	their property.