



**CALIFORNIA STATE SCIENCE FAIR
2011 PROJECT SUMMARY**

Name(s) Steven S. Higginbotham	Project Number J1206
Project Title All You Can Find Antlers!	
Abstract Objectives/Goals The objective of my project is to determine the topography where mule deer bucks winter when shedding their antlers on the East Fork Winter Range in northwest Wyoming. I wanted to determine this by finding antlers on the winter range and keeping a detailed record of my findings. Methods/Materials I hiked the East Fork Winter Range to find antlers, collect data related to topography and geographic location, gather and record details about each specific antler. I used a camera to provide pictures of the area I hiked and of some of the antlers I found. Other materials used were a notebook for recording data, maps, binoculars, eye piece, and a variety of resource people which included wildlife specialists (Wyoming Game and Fish Department), hunters, taxidermists, a historian and artist/photographer. Results I found 61 antlers during the summer while hiking on the East Fork Winter Range. I recorded detailed data on each of the 61 antlers in my field journal which provided me with the information I needed to develop a scientific conclusion. Conclusions/Discussion During the season the mule deer shed their antles they prefer areas that are protected from harsh weather conditions of winter in Wyoming, wind and predators that are on the range. These protected areas include ravines, hillsides, slopes and geographic bowls.	
Summary Statement The topography in which mule deer shed their antlers.	
Help Received Father helped type and helped attach items to display board.	