



**CALIFORNIA STATE SCIENCE FAIR
2014 PROJECT SUMMARY**

Name(s) Hannah M. Steagall	Project Number 34284
Project Title Does Soil Density Affect Water Evaporation Rates?	
Abstract Objectives/Goals My project was to determine if soil density affects water evaporation rates in soil. I believed that soils with greater densities will have lower water evaporation rates than less dense soils. Methods/Materials Four different types of soils were weighed and calculated for density. Then they were filled with 1/2 cup of water and weighed in grams every 12 hours for a total of 72 hours. After the 72 hour test I calculated the total evaporation by subtracting the weight of the soil from the last weighing interval from the weight of the soil from the first weighing interval Results The least dense soil had the least total evaporation rate. The second most dense soil was the soil with the greatest total evaporation. Conclusions/Discussion My conclusion was that the density of a soil does not affect the total water evaporation rate.	
Summary Statement This project describes the relationship between soil density and total water evaporation rates.	
Help Received My mother helped type my report; Mr. Jones helped select my project.	