



**CALIFORNIA STATE SCIENCE FAIR
2014 PROJECT SUMMARY**

Name(s) Hannah M. Steagall	Project Number J0812
Project Title Does Soil Density Affect Water Evaporation Rates?	
<p style="text-align: center;">Abstract</p> <p>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.</p> <p>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</p> <p>Results The least dense soil had the least total evaporation rate. The second most dense soil was the soil with the greatest total evaporation.</p> <p>Conclusions/Discussion My conclusion was that the density of a soil does not affect the total water evaporation rate.</p>	
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.	