



**CALIFORNIA STATE SCIENCE FAIR
2015 PROJECT SUMMARY**

Name(s) Sadie B. Huntley	Project Number J1817
Project Title Water from Its Roots	
Abstract Objectives/Goals My goal was to compare lake water vs. tap water from both Riverside County and Los Angeles County to see if it affected plant growth. Methods/Materials I collected water from a Riverside County lake, a Los Angeles County lake, a Riverside sink, and a Los Angeles sink. I divided 60 black bean into four groups. Each group was germinated using one of my water samples. Once the seeds began to grow, I transferred them into pots and continued watering them with the same type of water. In all, I grew five plants with each type of water. I watered the plants every other day and recorded the plant#s height every other day for 30 days. Results The plants watered using Los Angeles lake water grew the tallest with a mean height of 2.9 inches after 30 days. Plants watered with Los Angeles tap water had a mean height of 2.75 inches. The plants grown with Riverside tap water grew a mean height of 2.4 inches and the plants gown in Riverside lake water also had a mean height of 2.4 inches after 30 days. Conclusions/Discussion My hypothesis was that LA lake water would help the plants grow tallest. In the end of my experiment, results show that my hypothesis was correct. It would be interesting to repeat this experiment using water from a variety of lakes in both counties to see if Los Angeles lake water consistently helps plants grow taller than water from Riverside County.	
Summary Statement To see if different types of water affect a plants growth.	
Help Received Mom helped me collect water.	