



**CALIFORNIA STATE SCIENCE FAIR
2014 PROJECT SUMMARY**

Name(s) Sarah K. Ando	Project Number J1901
Project Title Water vs. Greywater: Does Watering with Greywater Affect the Growth of the Tomato Plant Compared to Using Tap Water?	
Abstract Objectives/Goals The purpose of my investigation is to find out if greywater or tap water improves the growth of the tomato plant. If greywater improves the growth of tomato plants, then it would be more eco-friendly. We could use greywater and save lots water. I believe greywater will improve the growth of the tomato plant. Methods/Materials For my project, I tested ten heirloom tomato plants. Five plants were watered with tap water, and the other five were watered with greywater from a bathroom sink. The plants were watered everyday for a period of 35 days and observed every five days. Results The tomato plants' heights were averaged. The highest average on day 35 belonged to the tap water plants. The average was 22.85 cm. The greywater plants' average on day 35 was 22.05 cm. The difference between the averages was 0.80 cm. Conclusions/Discussion In conclusion, my hypothesis was wrong. In the beginning of my science project I thought greywater will improve the growth of the tomato plant because it has many other qualities compared to tap water. All in all, the tap water improved the growth of the tomato plant, but greywater is still appropriate for watering plants.	
Summary Statement My project was observing tomato plants using greywater and tap water.	
Help Received Science Teacher guided me through the project; Mother bought supplies	