



**CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY**

Name(s) Rebecca K. Etnyre	Project Number J0911
Project Title Should Riverside County Be Wonderin' About the Water?	
Abstract Objectives/Goals My objective is to find out which middle school in the Alvord Unified School District has the best water quality by testing pH levels, Total Alkalinity, total hardness, iron levels, copper levels, nitrate levels, and nitrite levels. Methods/Materials The materials I used were 1 pint water samples from each of the middle schools in the district; Villegas, Arizona, Wells, Loma Vista and the filtered water as my control. Then I put the water samples in 1 pint Kerr self-sealing jars. I purchased 3 Pro-Lab Water Quality testing kits which contained the strips needed for my experiment. I then used the time increments listed in the directions to test each of the waters separately. The already prepared sheet was my first data table in the experiment itself. Results Wells Middle School was found to have the best water quality compared to the filtered water mostly based on the pH levels. The other remaining schools: Villegas, Arizona, Loma Vista had pH levels of less than 7ppm, which means that they are acidic. The ideal level is between 7 and 7.5, therefore Wells Middle school has the best water quality because of the 7.5 ppm level. Conclusions/Discussion In conclusion, my hypothesis was incorrect. It was found that Wells Middle School had the best water quality and Villegas Middle School had somewhat good quality in the drinking. For the safest water I would choose Wells Drinking water.	
Summary Statement My project was intended to find out which middle school in the Alvord District had the best water quality so we all know what we're drinking at middle school.	
Help Received My mom purchased the materials needed for my experiment.	