



**CALIFORNIA STATE SCIENCE FAIR
2016 PROJECT SUMMARY**

Name(s) John D.M. Olson	Project Number J1120
Project Title The Effect of Location on Pollution Levels in the Russian River	
Abstract Objectives/Goals The objective of this study is to determine whether a person can drink water straight from the river safely, without the water having to be purified. Methods/Materials Russian river water,yardstick,imhoff cone,rope,gloves,flotation ball,silver sleeves,turbidity sticker,data chart,LaMotte water monitoring kits,science journal,stop watch,bottled H2o Results The test data results indicate that the water quality if fairly consistent and within the standard state level with the exception of a qualitative result in tests for coliform bacteria. Conclusions/Discussion The results of the experiment are repeatable. The data shows that the largely populated areas, as well as the agricultural areas both contribute high levels of pollutants which contaminates the river water. The results prove that my hypothesis is not valid.	
Summary Statement It was determined that coliform bacteria exists in all locations of the Russian River, purification process for drinkable water is absolutely necessary.	
Help Received Mr. Oelker & Mr. Quijano both scientists from UWC demonstrated in their lab correct safety & collection testing processes.Mr. Torres suggested areas on the Russian River.	