CALIFORNIA STATE SCIENCE FAIR
2016 PROJECT SUMMARY

Name(s)
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Project Number
36357

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.