



**CALIFORNIA STATE SCIENCE FAIR
2015 PROJECT SUMMARY**

Name(s) Eva Weller; Cheyenne Wilson	Project Number J1124
Project Title Low Levels of Creek Pollution in an Environmentally Friendly Town	
<div>Objectives/Goals Our city tries to protect its watersheds and Humboldt Bay from pollution. We tested whether water pollution in creeks increased as it moved through the city of Arcata.</div> <div>Methods/Materials We tested for pollution at 4 creeks including 2 that ran directly through town. On each creek we sampled an upstream, downstream, and mid-stream site. We tested for dissolved oxygen, pH, nitrites and phosphates during each survey of each site. We tested both creeks that ran through town on 3 separate days.</div> <div>Results We found no evidence that pollution increased as the creeks progressed downstream. Dissolved oxygen and pH both increased and decreased from upstream to downstream. We measured no nitrite pollution and only found phosphate pollution at one site on one day.</div> <div>Conclusions/Discussion We found our hypothesis was wrong: pollution did not increase as creeks moved through town. But we were glad to know we lived somewhere that has little creek pollution.</div>	
Summary Statement We found that water pollution did not increase as creeks flowed through our town.	
Help Received Dad drove us to sites and helped make graphs.	