



**CALIFORNIA STATE SCIENCE FAIR  
2011 PROJECT SUMMARY**

<b>Name(s)</b> Hannah L. Morrow	<b>Project Number</b>  31206
<b>Project Title</b> Determining the Percolation Rate and Particulate Count at Various Points on the Kings River	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> Determining the soils percolation rate and particulate count at various points along the Kings River.</p> <p><b>Methods/Materials</b> Six soil samples collected at two mile intervals along the Kings River were tested by adding equal amounts of each sample to a testing device, compacting then adding 1,000 ml. of water to each sample, waiting ten minutes and measuring the amount of water and particulates released.</p> <p><b>Results</b> My science project determined that the farther down river I went didn't get cleaner results, but did show a pattern.</p> <p><b>Conclusions/Discussion</b> After completing my experiment I found that my hypothesis was incorrect. I hypothesized that the farther down river I go the more particulates there would be. The reason my hypothesis was incorrect was that, it doesn't matter how far up or down river you go more than likely your starting point will always have the least amount of particulates and percolation rate.</p>	
<b>Summary Statement</b> My project is determining the percolation rate and particulate count at various points on the Kings River.	
<b>Help Received</b> My dad and teacher helped in making my testing device.	