



**CALIFORNIA STATE SCIENCE FAIR  
2005 PROJECT SUMMARY**

<b>Name(s)</b> <b>Allyson Drinkert; Ellen George; Michael Kreider</b>	<b>Project Number</b> <b>S0605</b>
<b>Project Title</b> <b>What's Down There? Ocean Topography at the Ventura Pier</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> The bottom composition of the ocean varies greatly around the world. This experiment tests the effect of depth on bottom composition at the Ventura Pier. It is hypothesized that as depth increases, the material found will become coarser and/or larger.</p> <p><b>Methods/Materials</b> This experiment used a can and weight, fishing line, Tanglefoot wax, plastic bags, and colored electrical tape. First the height of the pier was found by lowering the weight in the can down to the ocean's surface, and then the total height of the ocean depth and the pier height were tested at eleven evenly spaced intervals along the pier. The material on the bottom at each particular measuring site was collected by spreading Tanglefoot wax on the bottom of the can, which was covered in a plastic bag.</p> <p><b>Conclusions/Discussion</b> After graphing, it was found that the hypothesis was correct, for as the depth increased, the bottom composition became coarser and larger.</p>	
<b>Summary Statement</b> Our project investigates the change in bottom composition as ocean depth increases along the Ventura Pier.	
<b>Help Received</b> Our advisor reviewed our completed project, however, the entirety of the project was executed and completed by the student members.	