



**CALIFORNIA STATE SCIENCE FAIR
2009 PROJECT SUMMARY**

Name(s) Rachel E. Bickert; Kelli M. Van Wandelen	Project Number S0804
Project Title Kelli and Rachel's Excellent Beach Adventure: Sand, Waves, and Storms	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective of monitoring the profile of Seabright Beach is to gather data about and information about Seabright Beach, and to make evaluations based on our data.</p> <p>Methods/Materials The materials are brass 2X hand level, rod level, fiberglass metric stadia rod, computer, Microsoft Office, tide book, thermometer, Kestrel, and compass. We go to the beach and survey across the beach from North to South until we reach the ocean, gathering height every two meters. We then cumulate the data and graph it.</p> <p>Results So far, our results have shown what we hypothesized. When we began gathering data, the beach had a summer berm. As we begin transitioning into winter, the beach has followed its trend of becoming flatter.</p>	
Summary Statement In this project, we observed how the profile of Seabright Beach in Santa Cruz, CA responded to changing wave, season, and climate conditions and compared those changes to data from previous years.	
Help Received Used equipment of San Lorenzo Valley High school, consulted with Dave Schwartz of Cabrillo College	