



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

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| Name(s) Ariel V. Stone | Project Number J0618 |
| Project Title How Much Solid Matter Is in 25ml of Ocean Water from Different Areas of the Pacific Ocean? | |
| Abstract Objectives/Goals I initially started my project by trying to figure out how much salt there was in ocean water. Later in doing my project I realized there was more than just salt in the solid remains. Therefore I decided to change my objective to How much solid matter is there in water from the Pacific Ocean? Methods/Materials I got water from Maui, Morro Bay, San Diego, San Francisco Bay, Eureka, Humboldt Bay, and Redondo Beach. Then I measured out the water to 25ml and weighed the beaker. Then the beaker plus the water and then placed the beaker on the hotplate. After the water boiled and evaporated I removed the beaker and weighed it on the triple beam balance. When I got the results of all my data I logged it in my record book. Results My results came out to be: Maui was an average of about .45g of solid matter, Arcata averaged at about .5g, San Diego averaged at about .5g, Redondo Beach averaged at about .7g, Eureka averaged at about .6g, San Francisco Bay averaged at about .75g, and lastly Morro Bay averaged at about .9g of solid matter. Conclusions/Discussion My hypothesis was that the water from Maui would have a higher concentration of solid matter; when in reality the water from Morro Bay came out on top. The first trial was 1g, the second trial was 1g, and the third trial was .8g of solid matter. In conclusion my hypothesis was proven wrong scientifically. | |
| Summary Statement I found out how much solid matter there was in 25ml of Pacific Ocean water from different sources. | |
| Help Received Parents and sisters for advice, and Mr. Librizzi (my science teacher) for equipment. | |