



**CALIFORNIA STATE SCIENCE FAIR
2009 PROJECT SUMMARY**

Name(s) Fiateleimoana K. Tapasa	Project Number J2424
Project Title Tides and Gulls	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My project, "Tides and Gulls", was designed to ascertain a possible correlation between high and low tides and the number of gull sightings at a given beach. I hypothesized that there would be a higher number of gulls at low tide than high tide, due to food availability, and having more land space.</p> <p>Methods/Materials Multiple observations were taken during both high and low tide at the predetermined beaches. Paper, a writing instrument, and weather appropriate clothing were needed materials to document data. The local tide schedules were needed to ascertain proper observation times.</p> <p>Results During low tide, the number of gulls sighted was consistently greater than the number of gulls during high tide.</p> <p>Conclusions/Discussion I came to the conclusion that gulls are sighted in greater numbers during low tide than high tide, although other untested factors not related to tides could have contributed to the outcome. Other factors may include: feeding habits, possible migration patterns, weather, etc.</p>	
Summary Statement Finding a correlation between tide times and gull sightings can aid others who wish to further study gulls in large numbers.	
Help Received Parents drove and accompanied to and from beaches for observations.	