



**CALIFORNIA STATE SCIENCE FAIR
2007 PROJECT SUMMARY**

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Project Title Mollusk Abundance in the Rocky Intertidal Zone	
Abstract Objectives/Goals Our goal for our site is to compare the abundance in the mollusk (for instance: chiton, whelk, turban snail and mussel) populations that could indicate environmental change (such as climate change or human disturbance). We also want to determine how much seasonal abundance there is for these species across the transect (the data collected in 2002 was only for December). Methods/Materials For this investigation we use: a 50-meter measuring tape, two 1/4 m ² quadrats, knee pads, and data sheets to evaluate the tide pools. The transect extends from the upper high zone into the low zone, crossing a dense mussel bed. We plan to monitor the vertical transect at least twice monthly during low tides. Along the twenty-one meter transect we collect data every three meters, noting the abundance and species of mollusks in our quadrat. Results We have found that there is a wide diversity of mollusk species in the tide pools at Davenport Landing. The abundance and diversity of species varies at different locations along the transect. Conclusions/Discussion Currently we have not collected enough data to establish any definitive patterns.	
Summary Statement Our project is all about mollusk abundance; where they are and what factors cause them to be distributed as they are.	
Help Received Dr. John Pearse helped us proofread our reports in addition to helping us identify the tidepool organisms when we were getting started.	