**Student Analysis of Mystery Bay**

There are two environmental factors that were present in the bay; Salinity (the amount of salt in the water) and Wave Action (the amount and power of the waves). We believe that these two factors may affect distribution of the two mussels *M. galloprovincialis* and *M. trossolus*.

1. Is there a pattern to the distribution of either mussel species? If there is, what is it?

2. What conditions do you think affected the distribution of *M. trossolus*?

3. What conditions do you think affected the distribution of *M. galoprovincialis*?

4. If there are bays or estuaries near this area would you expect the mussels to have similar distributions? Why or why not?

5. Why is there a salinity difference in the bay?

6. Why is there a difference in wave action in the bay?