

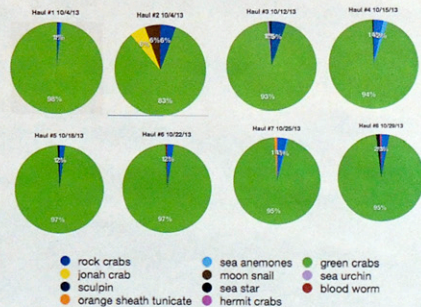
# Discussion

## Pulpit Harbor Species Diversity

There is very little diversity in Pulpit Harbor. We mostly got green crabs in the trap hauls. The average percentage of green crabs was 94%. In haul number three we got five different species including green crabs, rock crabs, a sea urchin, a sculpin and a sea star. The green crabs are overpowering other species in the water.

Promethium61

## Pulpit Harbor Species Diversity



## Rock Crab to Green Crab Ratio, Pulpit Harbor, North Haven, Maine



## Green Crab and Rock Crab Ratio Discussion

We found rock crabs and green crabs in Pulpit Harbor. For every one rock crab there were 30 green crabs. I took the crab data and made it into pie graphs. I also took the number of green crabs and divided them by the number of rock crabs for each haul. Then I calculated the average. No wonder the rock crabs are so beaten up with so many green crabs per rock crab!

Zirconium40

## Males and Females

In our study we found that there were more male green crabs than females. We identified the crabs by turning them over and looking at their aprons. The male's apron is long and skinny and the female's apron is round and fat. In the sixth haul we counted 19 males and 10 females. The greatest amount of males and females were recorded in our sixth haul.

There are more male crabs because the females are going to deeper waters to protect their eggs. The female crabs go to deeper water because the salinity and temperature where the waters are less likely to change. The males stay in shallow water where the salinity and temperature are more likely to change.

Iron 26

## Gender of Green Crabs at Pulpit Harbor



## Temperature Discussion

The temperature at Pulpit Harbor dropped during our study in October. We checked the water temperature with a mini logger probe that was in the trap, and we also measured water temperature one meter below the surface with a thermometer on a float. The air temperature dropped the most. It went from 61 to 37 degrees Fahrenheit. It dropped 24 degrees. The water temperature on the sea floor dropped the least. It went from 60 to 50 degrees Fahrenheit. It dropped 10 degrees. The most surprising thing was that in the middle of the month the surface water temperature dropped below the sea floor water temperature. The air temperature is pulling the water temperature down because it is nearly winter.

Copper 29

## Air and Water Temperature at Pulpit Harbor, North Haven

