

Mosquitos



By: Lucie Weber and Charlotte Green

Background of our Mosquito Project



When we heard the story of what scientists were doing with Mosquitos, we, Charlotte and Lucie, were intrigued, and wanted to learn more about this. As we dug deeper into the topic, we decided that we wanted to know more about what mosquitos prefer for their habitats.

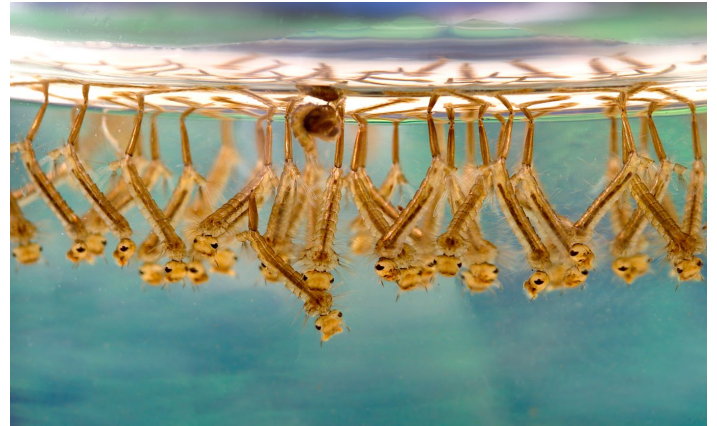
We found out Mosquitoes like warm water to lay their eggs. Since Charlotte was about to go on a two week trip out west, we decided to test water from a River out west and a River here in Providence and see which was a better mosquito habitat.



How we collected our data

Our original plan was to collect our data for this mosquito project using a container, a river, and a camera. In order to see which habitat was a better mosquito habitat, we had to let the mosquitos come to the water and lay eggs which was going to take more than a few days. So we would have collected water from the river and left it out in the sun for 5-10 days. After 5 days we would start to monitor our container to see if any mosquitos laid eggs.

However, during her trip out west, Charlotte realized that this plan was unusable since she never stayed in place for more than three or two days at a time. So the alternate plan was to use water test strips from water from Wyoming and water from Providence. We compared the results to determine which habitat had the best water quality for mosquitoes to breed in.



Mosquito larvae

Our Hypothesis



We knew that Mosquitoes tend to like warm water, so Lucie figured mosquitos would rather live out west than here since they have much warmer weather in general.



When Charlotte was out West the weather was very cold. The only hot months out there were the end of June, July, and August. The rest of the time it is usually freezing. Since the weather was cold she figured that mosquitos would rather live here in Providence where there is longer warm months.

Our Results

After comparing both test strips to the key, we found that our results were inconclusive. We couldn't collect enough data to determine whether which habitat was better for mosquitos.



In terms of water quality, the water from Providence is more drinkable. However, this does not mean that it is a better mosquito breeding habitat, as different factors are more preferable for different species.

In the end, we were unable to reach a conclusion of whether Providence or Wyoming is a better mosquito breeding habitat, we were unable to reach a conclusion due to the insufficient amount of information available.



References and Acknowledgements

https://www.google.com/search?q=google+earth&rlz=1CAJIKU_enUS1010&oq=google&aqs=chrome.0.69i59l2j46i131i199i433i465i512j0i512j0i131i433i512j69i60l3.1671j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on

<https://www.globe.gov/>

Thanks to Charlotte and Lucie for working their butts off on this project, Special Thanks to our parents for sending us the pictures of the test strip, and most importantly Charlotte's Parents for bringing her out west.

