

# Bucket Buddies - Final Class Report

Class 201 @ PS 241- Pond Water Study

Classroom Teacher: Ms. Sabree

Hypothesis: The organisms found in pond water are the same all over the world.

Our class collected pond water from Windmill Pond at Alley Pond Environmental Center. We found many macroinvertebrates in our pond water sample. Specifically, we found amphipods, caddisfly larvae, damselfly nymphs, daphnias (water fleas), dragonfly nymphs, mayfly nymphs, midge larvae, mosquito larvae, snails, beetle larvae, a bristle worm, and a leaf beetle. There was one organism that we were unable to identify. In total, we found 68 macroinvertebrates.

We compared our data to the findings of four other schools on the Bucket Buddies website, two schools in the United States and two schools outside of the United States.

We first looked at the data from Mrs. Mahane's class at Pittsfield Elementary School in New Hampshire. We noticed that they found many of the types of macroinvertebrates that we found. They also found cyclops and tadpoles, which we did not see in our sample.

We also compared our findings with those of Mr. Beaudette's class at Five Hawks Elementary School in Minnesota. Their data showed some of the same kinds of macroinvertebrates that we had in ours, such as daphnias, dragonfly nymphs, mayfly nymphs, and snails. They also had some types of macroinvertebrates that we didn't, such as leeches, water mites, cyclops, and backswimmers.

We then looked at the data from St. Mary's Primary School in Devon, England. The students found dragon fly larvae, leeches, two types of snails, shrimp and many freshwater hoglouses. We were very curious about the hoglouses because we had never heard of such a creature, so we looked it up on the internet. We thought it was very interesting.

Lastly, we compared our results to those of Harvey Primary School in Western Australia. They found shrimp, snails, water fleas, leeches, water mites, water boatmen, and water spiders in their water sample.

After comparing the data from all five schools, our conclusion is that our hypothesis that organisms found in pond water are the same all over the world is true.