

Bucket Buddies Data Report

Question: Will classes sampling fresh water sources around the world find the same organisms?

Hypothesis: If classes sampled freshwater around the world, then they would find the same organisms because it is all freshwater.

Data Analysis: Me and my partner were able to find one crayfish, snail, beetles, mayfly larva and a tick. We also found two water spiders and eleven water sniped larvae. Also, my class found one dobsonfly larva, stonefly nymph, marsh treader, isopod, bristle worms, three dragonfly nymph, water penny, springtails, four beetles, flatworms, leeches, six clam shrimps, and snails. There are much more to name so to give you the big picture we had 29 organisms and 1,085 species. Please see the table below for more detail.

Macro Invertebrate	Quantity
Dobsonfly larva	1
Stonefly Nymph	1
Water Snipe Larva	11
Crayfish	8
Damselfly Nymph	10
Dragonfly Nymph	3
Mayfly Nymph	5
Seed/Clam Shrimp	6
Water Penny	3
Beetle	4
Marsh Treader	1
Springtail	3
Water Strider	34
Water Spider	22
Phantom Midge Larva	5
Scud/Amphipod	22
Snail	6
Water Fleas	653
Copepod/Cyclops	23
Water Mite	71
Planeria/Flatworm	4
Aquatic Sowbug/Isopod	1
Bristle Worm	1
Leech	4
Midge Larva	39
Mosquito Larva	14
Nematode	56
Thread/Tubiform Worm	62
Worm	12
TOTAL	1085

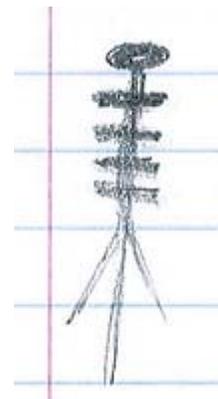
Bucket Buddies Data Report – Looking at Water Quality

This year our science teacher told us we would participate in a program where we sample a local water source. If classes all over the world were getting water organisms, we thought we would find some of the same and some different organisms. We also predicted that our local pond water would be good or healthy.

We found a total of 1,085 organisms. There were 29 different types of organisms. During our experiment, we found 13 sensitive organisms, 99 semi-sensitive, 784 semi-tolerant, and 189 tolerant. These groups explain how well the organisms handle water pollution. Here are some of the organisms: leeches, crayfish, worms, nematodes, and water mites. Overall, our pond’s water quality score is 1.9 which is poor. I think this experiment taught us to pay attention to detail because those little things weren’t the easiest to find.

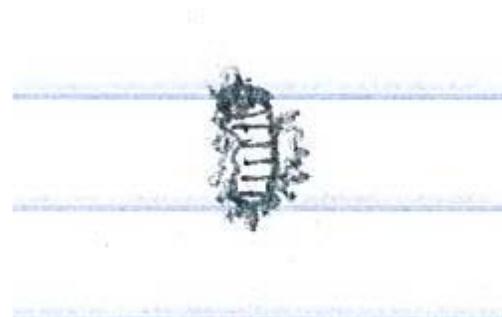
Macro Invertebrate	Quantity	Category
Dobsonfly larva	1	Sensitive
Stonefly Nymph	1	Sensitive
Water Snipe Larva	11	Sensitive
Crayfish	8	Semi-Sensitive
Damselfly Nymph	10	Semi-Sensitive
Dragonfly Nymph	3	Semi-Sensitive
Mayfly Nymph	5	Semi-Sensitive
Seed/Clam Shrimp	6	Semi-Sensitive
Water Penny	3	Semi-Sensitive
Beetle	4	Semi-Sensitive
Marsh Treader	1	Semi-Sensitive
Springtail	3	Semi-Sensitive
Water Strider	34	Semi-Sensitive
Water Spider	22	Semi-Sensitive
Phantom Midge Larva	5	Semi-Tolerant
Scud/Amphipod	22	Semi-Tolerant
Snail	6	Semi-Tolerant
Water Fleas	653	Semi-Tolerant
Copepod/Cyclops	23	Semi-Tolerant
Water Mite	71	Semi-Tolerant
Planeria/Flatworm	4	Semi-Tolerant
Aquatic Sowbug/Isopod	1	Tolerant
Bristle Worm	1	Tolerant
Leech	4	Tolerant
Midge Larva	39	Tolerant
Mosquito Larva	14	Tolerant
Nematode	56	Tolerant
Thread/Tubiform Worm	62	Tolerant
Worm	12	Tolerant
TOTAL	1085	N/A

Also, while at the pond, I couldn’t identify an organism that looked like:



When I got back, I found that it was a mayfly nymph. – **Madison**

One of the things that we found was a mosquito larvae and at the time, I didn’t know what it was. – **Ryan**



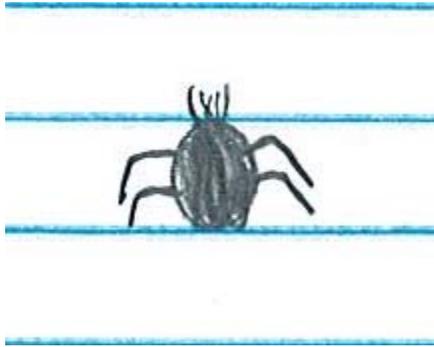
Sarah

6th Grade Science
CSD High School
2 November 2010

Bucket Buddies Data Report

When we learned about the Bucket Buddies Project, we made a hypothesis. My hypothesis was that if classes sampled freshwater around the world, they would find some different and some of the same organisms because there are different climates and temperatures. Some of the different organisms we found were water fleas. There were 653. We also found 62 tubiform worms and 34 water spiders. Our total was 1,085 organisms.

There was nothing I found that I could not identify though there was something I had trouble identifying. I had trouble identifying the riffle beetle. It looks like it has two legs on each side and it is very small.



Jacob

6th Grade Science
CSD High School
2 November 2010

Bucket Buddies Data Report

This year we are doing a Bucket Buddies Project. We learned about the different organisms we would find. I thought that if classes sample freshwater around the world, then they will find different organisms because of the different ecosystems/habitats that they live in.

As we went on in the project, I discovered that we would find some of the same organisms because we found a very good variety of organisms. Together we found a total of 1,085 organisms. The most popular organisms we found are water fleas (653), thread worms (62) and water mites (71).

