



South Seneca Central School Mrs. McCheyne's 5th grade **Bucket Buddies** Fall 2007

Location: Interlaken, NY

Question: Are the same kind of aquatic macro-invertebrates found in ponds all over the world?

Hypothesis: We think that the aquatic macro-invertebrates from different places in the world will be mostly different because of the differences in temperature and rainfall.

Procedure: We went to the pond to collect water and aquatic macro-invertebrates. We collected water from the edge, the bottom, the surface and as far away from the shore as we could reach. Then we brought the bugs back to the classroom and used keys, pictures, and online resources to identify what we found. We took pictures for our records and kept a tally.

Pond conditions/ visual monitoring: It was a mostly sunny day with about 35 % cloud cover. There was no scum or foam on the water but it was definitely muddy and brown. There was a slight odor to the water. The banks of the pond were about 90% covered with vegetation. The banks were firm. Algae in the pond was brown and dark green. The air temperature was 23 degrees and the water temperature was 15 degrees.



Aquatic Macro-invertebrate count:

Whirligig Beetle	4	Watermite	6
Caddisfly	1	Mayfly	4
Aquatic Worm	2	Mosquito larva	3
Black fly Larva	1	Scud	5
Midge	4	Sowbug	5
Water Scorpion	1	Water boatman	6
Water flea	3	Water strider	8
Predacious Diving Beetle	1	Stonefly larva	1
Fishfly	2		