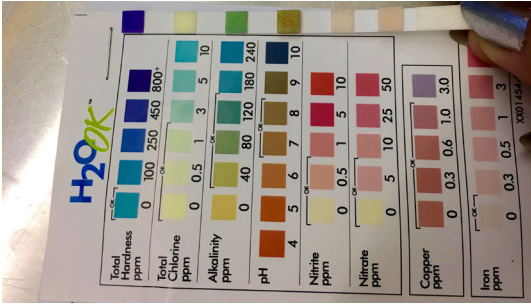
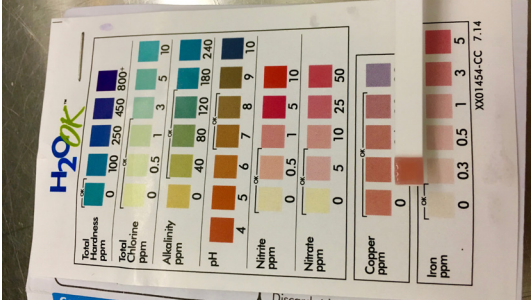
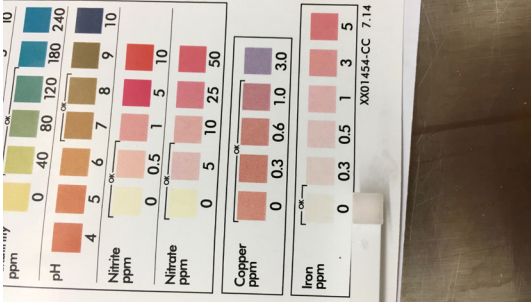


WATER

Water Test - Buttermilk Channel



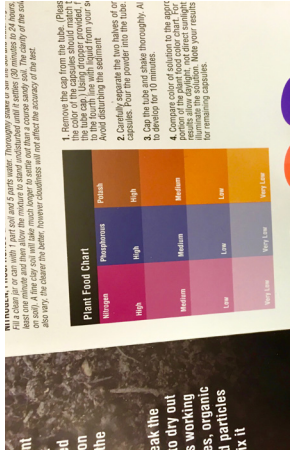
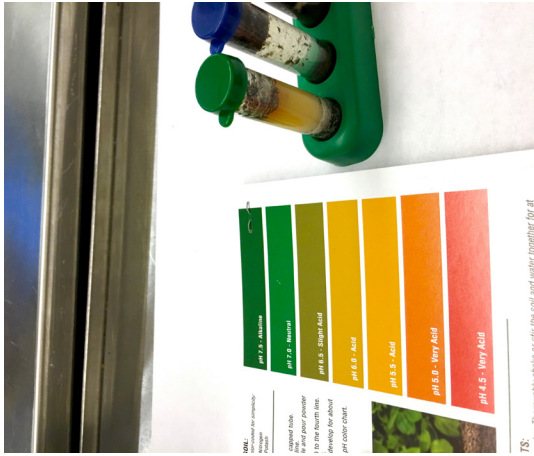
Water Test Results (from all locations)

	Harbor	Statue of Liberty	Buttermilk	Domino Sugar Factory	Newton Creek (start)	Newton Creek (end)
Hardness	800+	800+	800+	800+	800+	800+
Chlorine	0	0	0.5	0	0	0
Alkalinity	80	80	80	80	40	80
P4	4	9	9	8	5	8.9
Nitrate	0.5	0.5	0.5	0.5	0.5	0.5
Nitrite	0	0	5	5	5	0.5
Iron	0	0	0	0	1	1
Copper		1	0.3	0	0.3	0.3

Water Test - Reflection

My group was in charge of testing the water sample from the Buttermilk Channel on our trip on the boat ride around the New York City skyline. There were five other water locations which were tested on, The Harbor, Statue of Liberty, Domino Sugar Factory, Newton Creek start and end. We tested 8 different substances, hardness, chlorine, alkalinity, P4, nitrate, nitrite, iron and copper. After viewing the class's results of all the locations, we realized there was not a large difference in the results. One of the largest differences that stood out was The Statue of Liberty's copper level. Its copper level was significantly higher than any other test. Its result was 1 while others had 0.3. Our conclusion to this abnormality, was that the Statue of Liberty is made of copper and is being washed by the water every day, which makes the copper be washed away with it. Thus creating the amount of copper, in the water near it, rise.

Soil Test - Union Square



Soil Test - Reflection

Green Cap (Ph)	Blue Cap (Phosphorus)	Orange Cap (Potash)	Purple (Nitrogen)
6.0 acid	very low	very low	very low

I brought the soil we tested on from the Union Square Park, near a tree. This experiment consisted of four different tests, to see the levels of acidity within the soil. The tube with the green cap was for testing Ph level, blue for phosphorus amount, orange for potassium and purple for nitrogen. After research and discussion, we, as a group, realized that soil should have a high level of potassium because it is an essential plant nutrient, which this soil did not contain. Plants require large amounts in order to grow. Phosphorus is also a key ingredient in soil, an important cell division to develop new tissue. Which again, this soil is lacking since it resulted in a “very low” instead of medium or high.