

Snapshot Day 10/14/10 Data
(Salt Front RM 36)
Brighton Beach, Brooklyn NY
Carol Ma – International HS @ Lafayette, K337
160 students, 9th & 10th graders



Location: Brighton Beach, Brooklyn

Area: Beach mainly

Surrounding Land Use: 65% residential; 10% forested; 5% recreational; 20% commercial

Sampling Site: Beach,

Depth:

Plants in area: No plants in the water

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	12:04 PM	21°C 70°F		
	1:04 PM	20°C 68°F		
Wind Speed				
Cloud Cover	Partly cloudy			
Weather today	No rain			
<i>Water Condition</i>	Calm at noon but choppy by 1PM			
<i>Water Temperature</i>	12:32 PM	28°C 18 °C 18 °C		Average 21.33°C
	Because the water is cool and cool water has more oxygen than hot water I expect to find a lot of oxygen in the water.			
<i>Turbidity secchi</i>	Water looks clean			

<i>Chlorophyll</i>	1:00 PM	0	Color is light means little chlorophyll	
<i>Chemical</i>				
DO (drop count kit)	12:02 PM	4 mg/L	21.33°C	Oxygen level very low – 40% saturated
pH meter	12:04PM	8.0		pH is healthy
Salinity				
<i>Fish Catch</i>	Total	Fish		
	~30	Atlantic Silverside		
	1	Northern Kingfish		3 cm long
<i>Tides</i>				
<i>Currents</i>				
<i>Core –</i>	Length	Common	Rare	Comment
<i>1:37 PM</i>	5.5 inches	Clay, mud, stones	sand	No H ₂ S smell or oxidized top
<i>Pollution</i>	There are no garbage cans on the sand but there are on the boardwalk. I have seen garbage in the water today. If there are more people they will throw more things in the water and this will make pollution increase.			
<i>Biotic Organisms I saw & observations</i>	Plants, Animals, Birds, People. I saw birds and fishes. People can do fishing and sell them and earn money. People can eat fish.			
<i>Abiotic things I saw</i>	Sand, water, rocks, metal. I saw broken glass, papers, plastic bags and bottles on the beach, and cigarette butts.			