

**Snapshot Day 10/7/08 Data  
(Salt Front RM 63.4)  
RIVER MILE 5.5  
Pier 95**

**Penina Steinberg Midtown West School – 20 students 3-5<sup>th</sup> graders**

**Location:** NYC 12<sup>th</sup> Ave. & 54<sup>th</sup> St. Manhattan

**Area:** Pier

**Surrounding Land Use:** roads and parking lots nearby, area is park-like with grass and trees, a large grassy area for recreation. Grass, trees and a sunflower visible.

**Sampling Site:** Recreational pier

**Plants in water:** None

**Sampling Times:** 10AM to Noon

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature				
Wind Speed				Water calm
Cloud Cover	clear			
Weather today	Sunny and breezy			
Weather recently	Dry and cool			
<i>Water Temp.</i>	10:00 AM	19° C 59 ° F		*read immediately
	1:00 PM	12° C 52 ° F		* read after 15 mins. So may have been influenced by air temp.
Small site tube	10:00 AM	10 JTU 10 10		10 JTU
	1:00 PM	5 JTU 5 JTU 5 JTU		5 JTU
<i>Chlorophyll</i>	10:00 AM	0.1 0.1 0.1		0.1
	1:00 PM	0.1 0.1 0.1		0.1
<i>Chemical</i>				
DO (Test Tabs/LaMotte)	10:00 AM	4.0 mg/L 4.0 4.0	Temp. 19° C 59 ° F	40% saturated
	1:00 PM	3.0 ppm	Temp.	3.66 ppm

		5.0 ppm 3.0 ppm	12° C 52 ° F	30% saturated
pH (pH tabs)	10:00 AM	8.0 8.0 8.0		8 avg.
	1:00 PM	7 7 7		7 avg.
Phosphate	10:00AM	0 ppm 0 0		0 ppm avg.
	1:00 PM	3 ppm 3 ppm 3 ppm		*left phosphate test over designated time – may have impacted results
Nitrate	10:00 AM	0 ppm 0 0		0 ppm avg.
	1:00 PM	2 ppm 2 ppm 2 ppm		*left nitrate test over designated time – may have impacted results
Alkalinity	n/a			
Salinity (drop kit)	10:00 AM	16 ppt 16 ppt 14 ppt		*15.3 ppt avg
	1:00 PM	28 ppt 14 ppt 26 ppt		*22.66 ppt
<b>Tides</b>	*Tides were not recorded by the students but tides were rising from ~ 8:30 to 2:50. This could account for the salinity increasing			
<b>Currents</b>	10:00 AM	SE	1:00 PM	SE
<b>Other Observations</b>	Birds – seagulls & geese & ducks Ships and boats using the river			