

**Snapshot Day 10/20/16 Data
(Saltfront ~ RM 83)**

RM -2 , Valentino Pier

**Barbara Taragan, Elissa Eisenberg, Taraneh, Josh, Cora, Nineka
The Brooklyn New School PS 146 4th graders – 110 students, Adults 30
GPS Latitude N : 40°40'42. 10" - W-74°01'06.07**

Location: Valentino Pier, Redhook, Brooklyn, NY

Area: A large pile of rocks with a small rocky “beach”; area with large pier;

Surrounding Land Use: Beach – 5%; Urban/residential 10%; Industrial/Commercial 75%; 10% other- surrounding area landscaped with sea grasses. It is used as a dog walk although signs prohibit that use. Fishing was happening at end of the pier.

Sampling Site: beach

Shoreline: Pier, riprap

River Bottom : sandy and rocky near the little beach area

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:00 AM	24°C		
	10:00 AM	25°C		
	11:00 AM	23°C		
	12:00 PM	25°C		
Wind Speed		Beaufort	#2 to 3	South
Cloud Cover	Overcast			
Weather today	No rain			
Weather recently	Warm and dry			
<i>Water Temperature</i>				
	9:00 AM	18°C 19 20	19.5 °C	
	10:00 AM	19°C		
	11:00 AM	20°C		
	12:00 PM	19.5°C		
<i>Water calm</i>				
<i>Turbidity – short sight tube</i>	9:00 – 1:00 PM	35 JTU		
<i>Chemical</i>				
DO	9:00 AM	19°C	8 ppm	90%
Lamotte DO tablet	10:00 AM	19°C	8 ppm	90%
	11:00 AM	20°C	6 ppm	80%
	12:00 PM	19.5 °C	6 ppm	80%
<i>pH –indicator solution with LaMott testabs</i>	9:00 – 1:00 PM	7		

Salinity – hydrometer	9:00 AM 10:00 AM 11:00 AM 12: 00 PM	27.5 ppt 27.5 ppt 25 ppt 24.5 ppt		
<i>Fish Catch</i> 14 ft..seine net, mesh size ¼ inch	<i>Number Caught</i>	<i>Species</i>	<i>Length of largest</i>	<i>Catch Totals</i>
3-4 seines fish	20	Atlantic Silversides		Diversity 1 Total Catch 20
Macroinvert.		Green Crabs		Diversity 1 Total Catch 2
<i>Tides</i>	NR			
<i>Currents</i>	9:00AM – 1:00 PM	North		
<i>Shipping</i>	Water taxi, Staten island ferry barge tugboats			
<i>Other Items</i>	1 gull all day!			
<i>Almanac Entry – some comments</i>	<p>October 20 – Valentino Pier...The Statue of Liberty stood guard as 110 students and their chaperones explored this tiny beach and pier that juts into the New York Harbor. Fishers made way for our students at the end of the pier as they tossed flowers to determine the current direction. One group nearly got hit by a caught, sadly, unidentified, fish. A bucket of green crabs...bait left behind?...made our critter explore all the more interesting. In addition to silversides, an unidentified crab and a barnacle, there were just a few other critters: a lone gull stood guard on a pole. And, as one student noted, pet dogs. Also: Large entrances to tunnels had students speculating that rats lived there. By the end of our time there...the beach had shrunk to just a few feet. The incoming tide surprised us, wetting more than one students' work. Urban nature ...as unpredictable...as any other natural spots on Earth.</p>			