

**Snapshot Day 10/12/17 Data  
(Saltfront ~ RM 65)  
RM -2 , Valentino Pier**

**Barbara Taragan, Elissa Eisenberg, Taraneh, Josh, Cora, Nineka  
2 SCA – Joanna and Chelsea Robinson (seining photo!)**

**Robert Pincus, Climatologist**

**Barent Roth, Parsons/New School professor and students Taina Guarda and Shreen  
Bhansali to trawl plastics in the water**



**The Brooklyn New School PS 146 - 4<sup>th</sup> graders – 100 students, Adults 15  
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  
**Water Surface :** Choppy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	NR	°C		
Wind Speed	NR	Beaufort		

Cloud Cover	Overcast			
Weather today	Some precip in the AM			
Weather recently	Warm and some rain last 2 days but dry before that			
<i>Water Temperature</i>	12:00 PM	20°C	°C	
<i>Water</i>	choppy			
<i>Turbidity – short sight tube</i>	9:00 – 1:00 PM	30 JTU		
<i>Chemical</i>				
DO Lamotte DO tablet	9:00 AM 12:00 PM	19°C 20°C	8 ppm 4 ppm	90% 33%
<i>pH –indicator solution with LaMott testabs</i>	12:00 PM	7 6.5 7		Average 6.8
Salinity – hydrometer	9:00 -1:00 PM	25 ppt 25 ppt 25 ppt		Average 25 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 <b>fish</b> - # of silversides not recorded – used a figure based on prior catches for a full day at this site	20	Atlantic Silversides		<b>Diversity 1 Total Catch 20</b>
<b>Macroinvert.</b>	NR			
<i>Tides</i>	NR			
<i>Currents</i>	12:00 PM	North		
<i>Shipping</i>				
<i>Other Items</i>				
<i>Other activities</i>	Students were joined by several scientists for the day. One who studied the ocean gyres and their role in moving plastics throughout the ocean. Eleven of the Twelve student trawls brought up plastics. See attached newsletter for more details. One who is a climatologist and reviewed the common language that scientists use in communicating.			