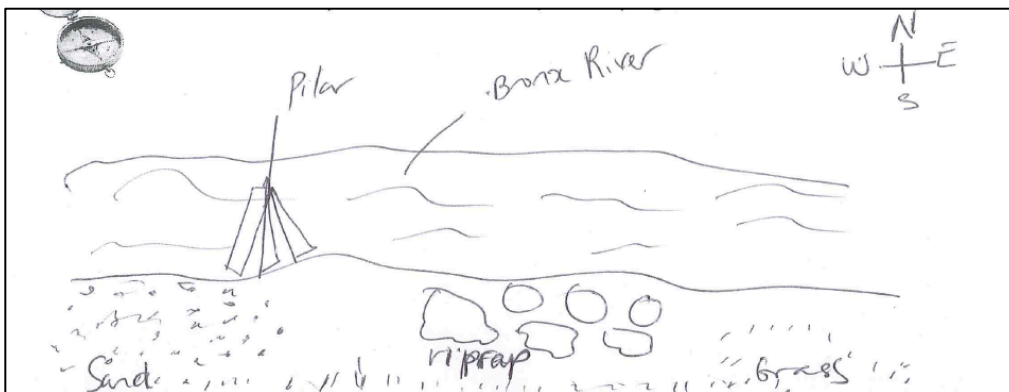
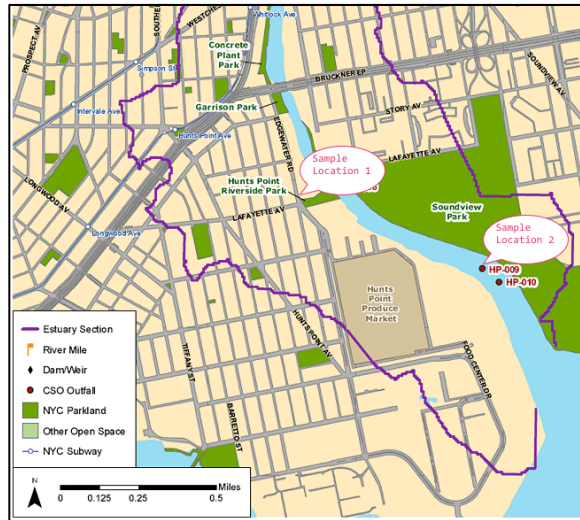


**Day in the Life of the Hudson River 10/12/17 Data  
 (Hudson River Salt Front ~RM 65)  
 Bronx River Mile 4.0 Hunts Point Riverside Park, Bronx, NY  
 Michelle Luebke, Bronx River Alliance  
 Patrick Callahan, Bronx Center for Science & Mathematics  
 Thirteen 11<sup>th</sup> and 12<sup>th</sup> grade APES students, 2 adults  
 Lat 40.8172 – Lon. -73.8810**



**Location:** Hunts Point, Riverside Park, Bronx River  
**Area:** Mostly used for boating and fishing. Pier with grassy area and parking lot  
**Surrounding Land Use:** 5% beach; 95% industrial/commercial  
**Sampling Site:** Beach, pier, shoreline riprap, covered with vegetation, debris in the area  
**Shoreline:** rocky, rip rap with pipe entering the water  
**River Bottom:** Muddy, Rocky  
**Plants in area:** 10% golden rod

**Sampling Location 1 – Dock – Sample time 6:04 PM**

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Air Temperature</i>	10:11 AM	58°F 14°C	<b>Wind meter</b>	8 mph NE

<b>Cloud Cover</b>	10:11 AM	Overcast >75%		
<b>Weather Today</b>	10:10 AM	Hard Drizzle		
<b>Weather Last 3 days</b>	Usually warm temperatures			
<b>Turbidity</b> <i>Long site tube &amp; Secchi</i>	10:44 AM	105.2cm 71.1 100	92.1 cm average	
	11:25 AM	74 cm 100 cm 83 cm	85.6 cm average	
<b>Water Temperature</b>	10:29 AM	52°F 20°C	51°F 19°C	51.5°F 19.5°C
	10:37 AM	52°F 20°C	52°F 20°C	52°F 20°C
	10:45 M	52°F 20°C	52°F 20°C	52°F 20°C
<b>DO</b>	10:34 AM 11:00 AM 11:12 AM 11:06 AM 11:24 AM 11:29 AM	4.3 ppm 4.9 ppm 4.5 ppm 6.0 ppm 3.8 2.4	18 °C 18 °C 18 °C 20°C 20°C 20°C	42% saturation 49% 45% 60% 40% 25%
<b>pH</b>	10:31 AM	6 5 6	6.5 6	Average 6
	11:24 AM	6 6 7	7 7 7	7 7 Average 7 7
<b>Salinity - refractometer</b>	11:43 AM 11:51 AM 11:55 AM	20 ppt 18 ppt 18 ppt	20 ppt 18 ppt 18 ppt	18 ppt 18 ppt 18 ppt
<b>Seine</b>	<b>Total catch</b>	<b>Species</b>	<b>Largest</b>	
	1	Mummichog	3 cm	
<b>Macroinvertbrates</b>	69	Marsh Grass Shrimp		
	5	Atlantic Mud Crab	3 F 2 M	
<b>Tides</b>	Low Tide High Tide	9:12 AM 3:16 AM		
<b>Observation</b>	Debris and fish scale – smells anoxic. Blue heron, cormorant and seagulls			