

**Day in the Life of the Hudson River 10/16/18 Data**  
**FERRY POINT PARK, BRONX**  
**RIVER MILE: 13.5 (East River)**

*Salt Front: ~RM 24*

**Renaissance High School of Musical Theater and the Arts- Linda Ewool**  
**16 students 9th-11th grade, Living Environment/Chemistry, 2 adults**  
**NY DEC- Chris Bowser and Team**  
**Latitude 40.804873 N & Longitude – 73.832189 W**



**Location:** Ferry Point Park beach, Bronx, NY

**Area:** Below the Bronx-Whitestone Bridge across the East River. Mostly used for boating and fishing. Pier with grassy area and parking lot. Large park area used for picnics and sports with spartina covered marsh along the water and forested beyond.

**Surrounding Land Use:** 50% Forested; 50% Beach

**Sample Site:** Sandy beach, tidal marsh area covered with dense spartina

**Shoreline:** 65% Beach; 35% Covered in vegetation

**River Bottom:** Muddy

**Water:** Calm

**Plants:** 30% Reed Grass

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature:</i>	12:23 PM	13 ° C	55.4 ° F	
<i>Wind Speed:</i>	10:40 AM	Beaufort: 3	12 mph	North
<i>Weather Today:</i>	Noon: Mostly cloudy (51-75%), no rain			
<i>Weather Previous:</i>	Small amounts of rain October 13th and 15th			
<i>Currents Flow-</i>	<i>Cm/second</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
10:45 AM	15.5	0.301	North	Flood
<i>Water Temperature</i>	12:25 PM	16 ° C	60.8 ° F	

<i>Turbidity-</i>	NR			
<b><i>Chemical</i></b>				
<i>Salinity- hydrometer</i>	12:39 PM 12:41 PM	24 ppt 21 ppt		
<i>DO – NR</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
<i>pH- meter</i>	12:34 PM	8, 8.3, 7.4		
<b><i>Fish – Seine 30 foot net 11:15 AM</i></b>	<b><i>Number</i></b>	<b><i>Name</i></b>	<b><i>Length of longest</i></b>	
	3	Striped Killifish	4 in	
	3	Mummichog	2.5 in	
	1	Atlantic Silverside	3 in	
	<b>TOTAL: 7</b>	<b>Diversity: 3</b>		
<b><i>Macroinvertebrates- Seine</i></b>	<b><i>Number</i></b>	<b><i>Name</i></b>	<b><i>Length of longest</i></b>	
	50+ 3	Blue Crab Shrimp		
	<b>TOTAL: 53+</b>	<b>Diversity: 2</b>		