

**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*

**West Bronx Academy for the Future- Bethany Rigging-Walio Amadou & Meg Stewart**  
**45 students 9th-10th grade, 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:** 25% Sandy; 50% Muddy; 25% Rocky

**River Bottom:** Muddy

**Water:** Slightly choppy; ~30 cm depth

**Plants:** algae

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature:</i>	10:57 AM	11.56° C	52.8 ° F	
	11:45 AM	11.11° C	52 ° F	
<i>Wind Speed:</i>	10:57 AM	8 mph	6.7 knots	South
	11:40 AM			North
<i>Weather Today:</i>	No rain, partly cloudy (26-50%)			

<i>Weather Previous:</i>				
<b><i>Water Temperature</i></b>	11:15 AM 11:41 AM 11:43 AM 11:45 AM	16.7° C 15.9° C 16° C 15.3° C	62.06° F 60.62° F 60.8° F 59.54° F	
<b><i>Turbidity- long sight tube</i></b>	10:55 AM	2 cm, 4 cm		<i>*very low vis. potentially stirred up water before measurement</i>
<b><i>Chemical</i></b>				
<i>Salinity- hydrometer</i>	11:45 AM 11:49 AM 11:51 AM	16.3 ppt 15.4 ppt 15.3 ppt		
<i>DO – Hach drop kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	Unable to obtain			
<i>pH- color match kit</i>	11:12 AM	8.5		<i>*Estuary wide kit is low resolution</i>
<i>Nitrates- estuary kit</i>	12:01 PM 12:02 PM NR	4 ppm 2 ppm 5 ppm		<i>*Estuary wide kit is low resolution</i>
<i>Phosphates- estuary kit</i>	NR	1 ppm		<i>*Estuary wide kit is low resolution</i>
<b><i>Fish – Seine 25 foot net 11:30 AM</i></b>	<b><i>Number</i></b>	<b><i>Name</i></b>	<b><i>Length of longest</i></b>	
	150 20 4 1 6	Atlantic Silverside Striped Killifish Mummichog Striped Bass Northern Pipefish	4 in 3 in 2 in 3 in 4 in	
	<b>TOTAL: 177</b>	<b>Diversity: 5</b>		
<b><i>Macroinvertebrates- Seine</i></b>	<b><i>Number</i></b>	<b><i>Name</i></b>	<b><i>Length of longest</i></b>	
	100+	Shore Shrimp	1 in	

	60	Blue Crab	2 in	
	<b>TOTAL: 100+</b>	<b>Diversity: 2</b>		
<i>Sediment core</i>	<i>Length</i>	<i>Oxid Top</i>	<i>Grain Size</i>	<i>Other Notes</i>
	18 cm	NO	<i>Common:</i> mud, sand <i>Rare:</i> Gravel	Sulfur smell
<i>Other Observations</i>	Shell pieces and full shells; pebbles; two white swans			