

**Day in the Life of the Hudson River 10/13/22**  
**Canarsie Pier, Brooklyn, NY**  
**RIVER MILE: -5.3**  
*Salt Front: ~ 76*  
**Brooklyn Collaborative Studies– Kara Bristow**  
*90 students & 10 adults*  
**GPS Latitude N 40.37'49.0" - W-73.53'00.98"**

**Location:** Canarsie Pier (NY Harbor), Brooklyn, NY  
**Area:** Pier and beach area along the bay  
**Sampling Site:** Beach – 50%; Pier/Urban/residential 50%  
**Surrounding Land Uses:** Mainly sandy beach (99%), rip rap, pipe entering water  
**Shoreline:** beach and pier  
**River Bottom:** sandy  
**Water:** NR  
**Plants in the Water:** NRx

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<b>Physical</b>					
<i>Air Temperature-</i>	10:43 AM	18°C	64.4°F		
<i>Wind Speed:</i>	10:43 AM	<i>Anemometer</i> 3 mph	<i>Beaufort</i> NR	<i>Direction</i> N	
<i>Weather today</i>	11:11 AM	>75% cloud cover	No Rain		
<i>Weather the past 3 days:</i>	Raining the entire day				
<i>Tides- Measured to the water's surface</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>		
	10:46 AM 11:09 AM 12:25 PM	Baseline measure Rising Falling	90 cm 87.96 cm 254 cm		
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	11:10 AM	NR	NR	NR	Ebb
<i>Water Temperature-</i>	1:44 PM	14°C	57.2°F		
<i>Turbidity- Long tube</i>	11:25 AM	68 cm			
<b>Chemical</b>					
<i>Salinity-Hydrometer</i>	10:56 AM	28.7 ppt			
<i>Standardized Salinity – NR</i>					
<i>DO – Meter/probe – reading provided nor realistic so not recorded here</i>	<i>Time</i>	<i>Temp</i> °C	<i>ppm DO</i> ppm	<i>% saturation</i>	
<i>pH – Meter</i>	10:56 AM	7			
<i>Nitrates- NR</i>					
<i>Phosphates- NR</i>					
<i>Alkalinity- NR</i>					
<b>Biological-</b>					
<i>Fish – Seine 5 pulls</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
	54	Atlantic Silverside	10.5 cm	3.5 cm	
<b>Fish Totals</b>	<b>TOTAL: 54</b>	<b>Diversity: 1</b>			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	

	18 27	Hermit Crab Ctenophore spp.			
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 45</b>	<b>Diversity:2</b>			
<b><i>Sediment Core –</i></b>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
Error in recording	No	No	No	Rare: clay, mud, sand, gravel, pebbles	Rare: shells, leaves, macroinvertebrates, living vegetation, wood, brick, coal, slag
<b><i>Boats- NR</i></b>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Recreational					