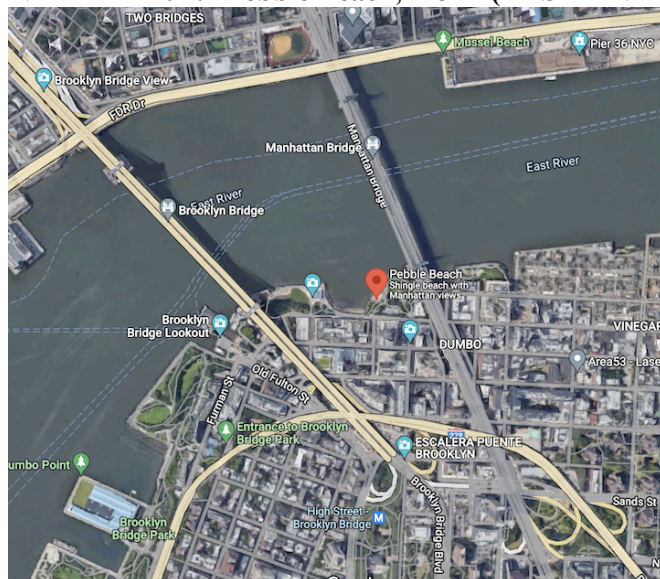


**Day in the Life of the Hudson River 10/14/21**  
**BROOKLYN BRIDGE PARK (EAST), BROOKLYN**  
**RIVER MILE: 1.7 Pebble Beach, Pier 1 (EAST RIVER)**



*Salt Front: ~ RM 49*

**Packer Collegiate Institute- Jessica Genter and 8 adults**  
 76 students, 7<sup>th</sup> grade

**Latitude 40.70445 N & Longitude – 73.99373 W**



**Location:** Pier 5 of Brooklyn Bridge Park, Brooklyn, NY

**Area:** Developed set of piers with some grass.

**Surrounding Land Use:** 70% Urban/residential; 20% Industrial/commercial; 10% beach

**Sampling Site:** South of boat marina and in front of the soccer field.

**Shoreline:** Beach, Riprap

**River Bottom:** Sandy, Muddy, Rocky

**Water:** calm

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
		<i>Physical</i>		
<i>Air Temperature</i>	9:35 AM	21 ° C	69.8 ° F	
	10:24 AM	24.3 ° C	75.74 ° F	
	11:00 AM	26.5 ° C	79.7 ° F	
	12:30 PM	27 ° C	80.6 ° F	
	1:07 PM	29.7 ° C	85.46 ° F	
	1:50 PM	26.9 ° C	80.42 ° F	
<i>Wind Speed:</i>	9:36 AM	2 m/s	South	Beaufort 2

<i>*It is certainly possible for wind to change direction, but very common for students to record the direction 'to' not 'from'</i>	10:28 AM 11:00 AM 12:34 PM 1:16 PM 1:51 PM	1.2 m/s 1.4 m/s 2 m/s 1.5 m/s 2.9 m/s	Southwest West Southeast Southwest *Northwest	Beaufort 2 Beaufort 1 Beaufort 2 Beaufort 2 Beaufort 2	
<b>Weather today</b>	All day- No rain, clear (<25%) to partly cloudy (25-50%)				
<b>Weather the past 3 days:</b>	No rain				
<b>Tides- dock to water</b>	<b>Time</b>	<b>Rising, Falling, Unchanged</b>	<b>Height (cm)</b>		
	9:34 AM 10:24 AM 11:00 AM 12:32 PM 1:05 PM 1:52 PM 2:12 PM	- Falling Falling Rising Rising Rising Rising	62 cm 70 cm 369 cm 336 cm 306 cm 284 cm 278 cm		
<b>Current-</b>	<b>Time</b>	<b>Cm/sec</b>	<b>Knots</b>	<b>North/South</b>	<b>Ebb/Flood/Still</b>
<i>*Quite a lot of variability here but the area is in a cove which would affect this.</i>	9:48 AM 9:58 AM 10:27 AM 10:55 AM 11:03 AM 12:36 PM 1:18 PM 1:58 PM	25 17.94 70 26.92 7 115.02 29 63.6	0.49 0.35 1.36 0.52 0.14 2.24 0.56 1.24	South South South South South South South South	Ebb Ebb Ebb Ebb Ebb Ebb Ebb Ebb
<b>Water Temperature-</b>	9:37 AM 10:10 AM 10:46 AM 12:30 PM 1:09 PM 1:45 PM	21 °C 21 °C 21 °C 22 °C 22 °C 23 °C	69.8 °F 69.8 °F 69.8 °F 71.6 °F 71.6 °F 73.4 °F		
<b>Turbidity- Long sight tube</b>	9:42 AM 10:26AM 11:12 AM 12:46 PM 1:24 PM 2:05 PM	59.75 cm 59 cm 58.3 cm 88.3 cm 74.6 cm 60.6 cm			
<b>Chemical</b>					
<b>Salinity-</b>	9:42 AM 10:24AM 11:11 AM 12:45 PM 1:24 PM 2:05 PM	<i>Hydrometer</i> 21.5 ppt 22 ppt 25 ppt 23 ppt 21.6 ppt 22 ppt	<i>Refractometer</i> 21.5 ppt 21.3 ppt 21 ppt 23.6 ppt 24.6 ppt 24.5 ppt		
<b>DO –</b>	<b>Time</b>	<b>Temp</b>	<b>ppm DO</b>	<b>% saturation</b>	
	9:55 AM 10:30 AM 11:10 AM 12:55 PM 1:50 PM 2:05 PM	21 °C 21 °C 21 °C 22 °C 22 °C 23 °C	7 7 8 7 8 7	76% 76% 76% 80% 90% 80%	
<b>pH –</b>	9:27 AM 10:10 AM 10:51 AM	7 7.5 7.75			

	12:37 PM 1:15 PM 1:50 PM	7.25 7.5 7.75		
<b><i>Biological</i></b>				
<b><i>Fish</i></b>	<b><i>Number</i></b>	<b><i>Name</i></b>	<b><i>Length of longest</i></b>	<b><i>Length of smallest</i></b>
	1 52	Herring Atlantic Silversides		-
<b>Fish Totals</b>	<b>TOTAL: 53</b>	<b>Diversity: 2</b>		
<b><i>Macroinvertebrates</i></b>	<b><i>Number</i></b>	<b><i>Name</i></b>	<b><i>Length of longest</i></b>	<b><i>Length of smallest</i></b>
	91 2	Comb Jelly Moon Jelly		
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 93</b>	<b>Diversity: 2</b>		