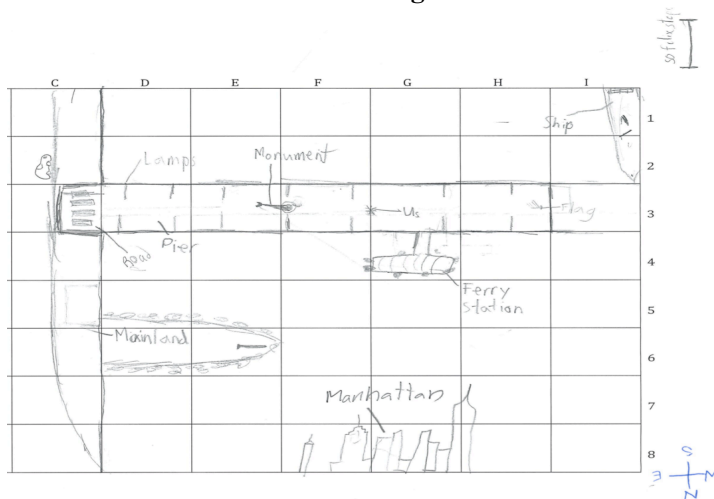


**Day in the Life of the Hudson River 10/16/18 Data**  
**VETERANS' MEMORIAL PIER, BROOKLYN**  
**RIVER MILE: -5**  
*Salt Front: ~RM 24*  
**International School of Brooklyn- Alicia Smith**  
**27 students 5<sup>th</sup> grade, 4 adults**  
**Latitude 40.6397 N & Longitude – 74.0387 W**



**Location:** American Veterans' Memoria Pier, Brooklyn, NY

**Area:** Veteran's Pier by the highway; bulkhead- mainly concrete & wood; 2 parks- Owl's head and Shore Road Park; 2 water treatment plants <0.5 miles to the NE, ferry dock present, highway present, park near by

**Surrounding Land Use:** 85% Urban/Residential; 5% Industrial/Commercial; 5% Park; 5% Highway

**Sampling Site:** Saltwater bay; Recreational pier with bulkhead- rocks near the edge, banks altered/riprap; all hard edged, steep wall dividing water from land; pipe entering water from treatment plant.

**Shoreline:** Rocky

**Plants in area:** 25% of rocks on the shoreline are covered in vegetation

**Water:** 9-10 foot depth, choppy

ITEM	Time	Reading		Comments
Physical				
Air Temperature:	10:55 AM 11:38 AM 11:54 AM	12.4 ° C 11.5 ° C 15 ° C	54.32 ° F 52.7 ° F 59 ° F	
Wind Speed:	11:38 AM	Beaufort 4	16 knots	Southwest
Weather Today:	No Rain; Overcast (75%+)			
Weather Previous:	Rain the night before; rain over the weekend prior; cool			
Water Temperature	10:49 AM 11:11 AM 11:35 AM	16 ° C 19 ° C 18 ° C	60.8 ° F 66.2 ° F 64.4 ° F	
Turbidity - Long sight tube	11:00-12:00 PM	53.7 cm		
Chemical				
Salinity- hydrometer	10:49 AM 11:11 AM 11:35 AM	16 ppt 16 ppt 16 ppt		
DO – drop count kit	Time 11:11 AM	Temp 19 ° C	ppm DO 5	% saturation 52%
pH - meter	10:49 AM 11:11 AM 11:35 AM	7.6 7.59 7.5		
Nitrates	10:49-11:48 AM	<5 ppm		LaMotte Estuary

					<i>wide kit is low resolution</i>
<i>Phosphates</i>		10:49-11:11 AM	<1 ppm		<i>LaMotte Estuary wide kit is low resolution</i>
<i>Tides- dock to water</i>		<i>Time</i>	<i>Rising, Falling, Still</i>	<i>Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>
		10:55 AM	-	212.5	-
		11:13 AM	Still	212.5	0
		11:37 AM	Falling	200	0.521
		11:55 AM	Still	200	0
<i>Currents</i>		<i>Cm/second</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
10:55 AM		12.19	0.237		
11:17 AM		26.42	0.512		
<i>Boats</i>	<i>Time</i>	<i>Name</i>	<i>Color</i>	<i>North or South</i>	<i>Loaded or Light</i>
Commercial	11:26 AM	Cruise ship			
Commercial	11:26 AM	Ferry			
Commercial	11:26 AM	Cargo			
Commercial	11:26 AM	Tugboat			
Commercial	11:54 AM	Water Taxi			
Commercial	12:00 PM	Water Taxi			
Recreational	11:54 AM	Speed boats			
Recreational	12:00 PM	Speed boats			
<i>Other Observations</i>		2 people fishing			