

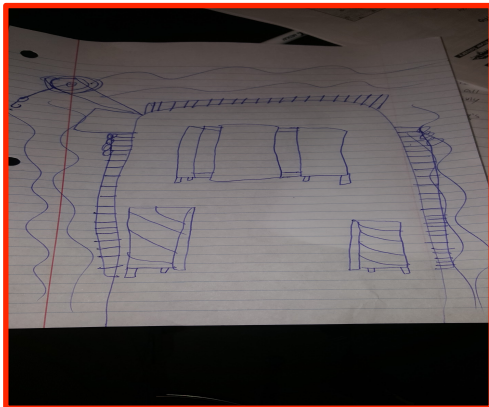
**Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE -4.2**

**Bayridge American Veterans' Memorial Pier
Pier 69th St.**

N 40. 38'22.-416 , W-74 .2'18.4308

Katie McCarthy & Sunset Park HS

25 Eleventh graders, 3 adults



Location: Pier American Veterans' Memorial Pier, by highway, Park, 2 water treatment plants
Area: Pier – bulkhead – mainly concrete & wood. Two parks – Owl's head and Shore Road Park
Fishermen use the pier and bikers out enjoying the view.

Surrounding Land Use: 70% urban/residential, 10% Industrial Commercial, 20% park

Sampling Site: Recreational pier – rocks near the edge, banks altered /riprap, all hard edged, steep wall dividing water from land, pipe entering water from treatment plant

Shoreline: Rocky

Depth: could not see bottom

Plants in area: No plants

Water: Calm

Sampling Times: 1:30 -3:15 PM

<i>ITEM</i>	<i>Time</i>	<i>Readings</i>		
<i>Physical</i>				
Air Temperature	2:18 PM	18.9°C	66 °F	
	2:48 PM	18.9°C	66 °F	
	3:18 PM	19.8 °C	68°F	
Wind Speed	Some wind			

Cloud Cover	1:30-3:15 PM	Clear all day	<25% cloud cover all PM	
Weather today	Nice, sunny		<i>Water surface</i>	
Weather recently	Cool			
<i>Water Temperature</i>	2:18 PM	19.8°C	68 °F	
<i>Turbidity</i>				
<i>Chemical</i>	Time	ppm	Temp	% Sat
DO	2:30 PM	8	16°C	80%
Drop count kit	2:50 PM	5	13.2	57%
	2:56 PM	6	13.3	50%
pH meter	2:10 PM	8		
	2:27 PM	8		
Salinity - hydrometer	2:30 PM	24 ppt		
<i>Turbidity</i>	2:30 PM	198.12 cm 167.64 cm 198.12 cm		Average 187.96 cm
<i>Fish Catch</i>	Time	Species	# caught	Size
	2:30 PM	Black Seabass	1	
<i>Tides - water depth</i>	Time	Distance to water	Rate of change	Flood or Ebb
<i>Measuring down from pier using a secchi disk</i>	2:26 PM	112cm	6 cm/27 mins	Flooding
	2:53 PM	106 cm		
<i>Currents</i>	Time	Cm/30 sec	Cm/sec	Knots & Ebb/Flood
	2:30 PM	14cm/90 seconds	0.15 cm/sec	
<i>Traffic-Commercial</i>	2:22 PM	Staten Island Ferry	Orange	Southbound Loaded
<i>Observations</i>	Gulls flying around looking for food. Construction on way to pier.			