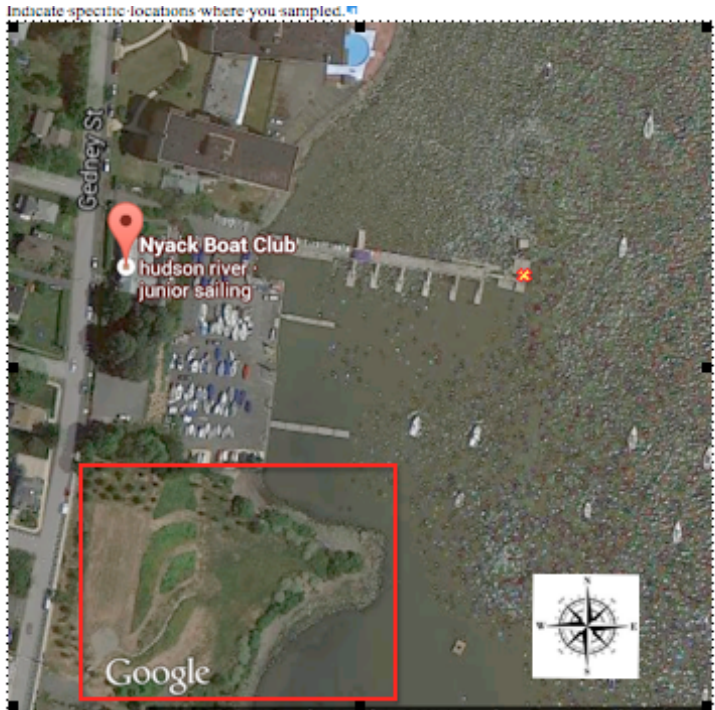


**A Day in the Life of the Hudson River 10/16/14 Data  
(Salt Front RM 65.9)  
RIVER MILE 28.5**

**Memorial Park, Nyack**

**Natalie Macke, Pascack Hills High School, NJ, 10 students 12<sup>th</sup> graders, 2 adults**

**Latitude: 41° 5' 31.9524" N Longitude: 73° 54' 52.3440" W**



**Location:** Nyack Boat Club, Nyack NY

**Area:** Sampling off dock at the boat club

**Surrounding Land Use:** 50% urban/residential; 50% Industrial/Commercial

**Sampling Site:** Used a dock in the boat club. *Using image to the left* - Red outlined area under construction with large crane equipment. Disturbed land, with exposed soil.

Sampling location “yellow X”. About 50+ boats anchored off sampling pier

**Shoreline:** Pier, rip rap edges

**Plants in area:** no plants in the river at this location

**Water depth:** 4 meters

**River Bottom**

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	4:06 PM	22.6°C		
Wind Speed & Direction	4:06 PM	Anemometer	3.9 kts.	SSW
Cloud Cover	4:06 PM	Partly cloudy	Rain earlier in day	
Weather today	Overcast – lots of rain earlier			
last 3 days	Humid and some rain off and on			
<b><i>Water</i></b>	Calm			
<b><i>Water Temperature –</i></b>	4:06 PM	21°C 71°F		
<b><i>Turbidity</i></b>				
<b><i>Chemical</i></b>				

DO <i>Drop count</i>	4:10 PM	21°C	7.3 ppm	80% saturated
pH <i>Indicator Solution</i>	4:10 PM	7.0		
Salinity <i>HR Quantab chloride reading</i>	4:25 PM	4067 ppm Cl- 4067 ppm Cl-		7437 ppm TS 7437 ppm TS
<b><i>Fish Catch –</i></b>				
<b><i>Tides</i></b>	Rising Tide			
<b><i>Currents</i></b>				
<b><i>Other Observations</i></b>				