

**A Day in the Life of the Hudson River 11/6/14 Data**

**(Salt Front RM 65.7)**

**RIVER MILE 28**

**Memorial Park, Nyack**

**Nicole Liable, Rockland County & Margie Turrin, LDEO**

**Dr. Kaufman & 3 other 3<sup>rd</sup> grade teachers, 80 students**

**Upper Nyack Elementary School**

**Latitude: +41.087267 degrees North Longitude: -73.915652 degrees West**

**\*Collected sample at the park and worked with students in the classroom due to rainy weather**

**Location:** Nyack Memorial Park, at the end of Piermont Ave, Nyack NY

**Area:** Park shoreline with a sandy and slightly rocky beach and pier area

**Surrounding Land Use:** Park with homes behind - Located along the shoreline of Memorial Park, Piermont Avenue, Nyack, NY. This stretch of shoreline is lined with riprap, a short pier, a concrete boat ramp, freshwater input site (Nyack Creek- NYS Environmental Protection Fund site), and some mud flats where HS students seined.

**Sampling Site:** Surrounding the shoreline is a large parking lot and some mowed grass fields. The area's main use is for boating, fishing, and jogging as it is a major recreation site for the Village of Nyack residents. The altered banks were 95% riprap covered and the remaining 5% were mudflats.

**Shoreline:** Primarily rocky due to the riprap with muddy (silt/clay/mud) sediments.

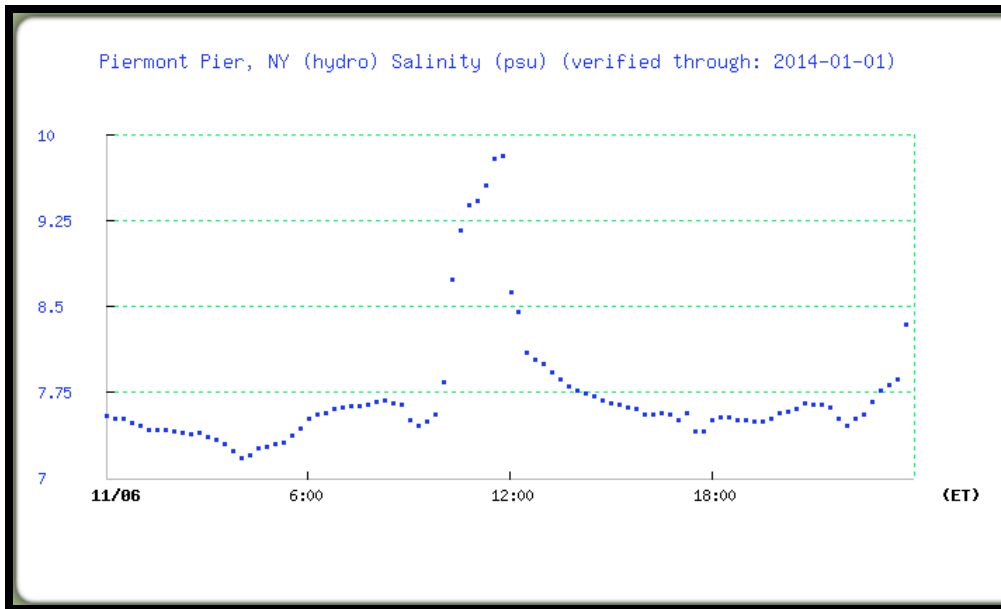
Tappan Zee bridge construction was in the view of our site, dredging, and increased boat traffic in the distance was noted.

**Plants in area:** vegetation is sparse

**Water depth:**

**River Bottom** heavy alteration of the river bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	12:30 PM	9.5°C	49 °F	
Wind Speed & Direction				
Cloud Cover	All day overcast			
Weather today	Overcast & Rain			
last 3 days	Cold with some rain			
<i>Water</i>	Slightly choppy			
<i>Water Temperature –</i>	12:30 PM	12.25°C		
Salinity Refractometer	12:30 PM	9 ppm		
<i>Fish Catch – seined</i>	Atlantic Silverside - 7 Striped Bass - 2 Mummichog – 1 very round and large Grass Shrimp - 1			



***SALINITY 110614 – Water collected at 12:30 PM at Memorial Park 6 miles upriver from Piermont Pier.***