

**Day in the Life of the Hudson River 10/16/14 Data  
(Salt Front RM 65.9)  
RIVER MILE 76  
Waryas Park, Poughkeepsie, Dutchess County**



**Pat Denima & Dianne Polidore, Pawling Elementary School 4<sup>th</sup> & 1<sup>st</sup> graders  
34 students and 17 adults  
N 41°7' – W 73°9'**



**Location:** Waryas Park, Poughkeepsie, New York.

**Area:** public park, pier, grassy, parking lot. Park used for fishing, small boat launch, another pier for small boat launching

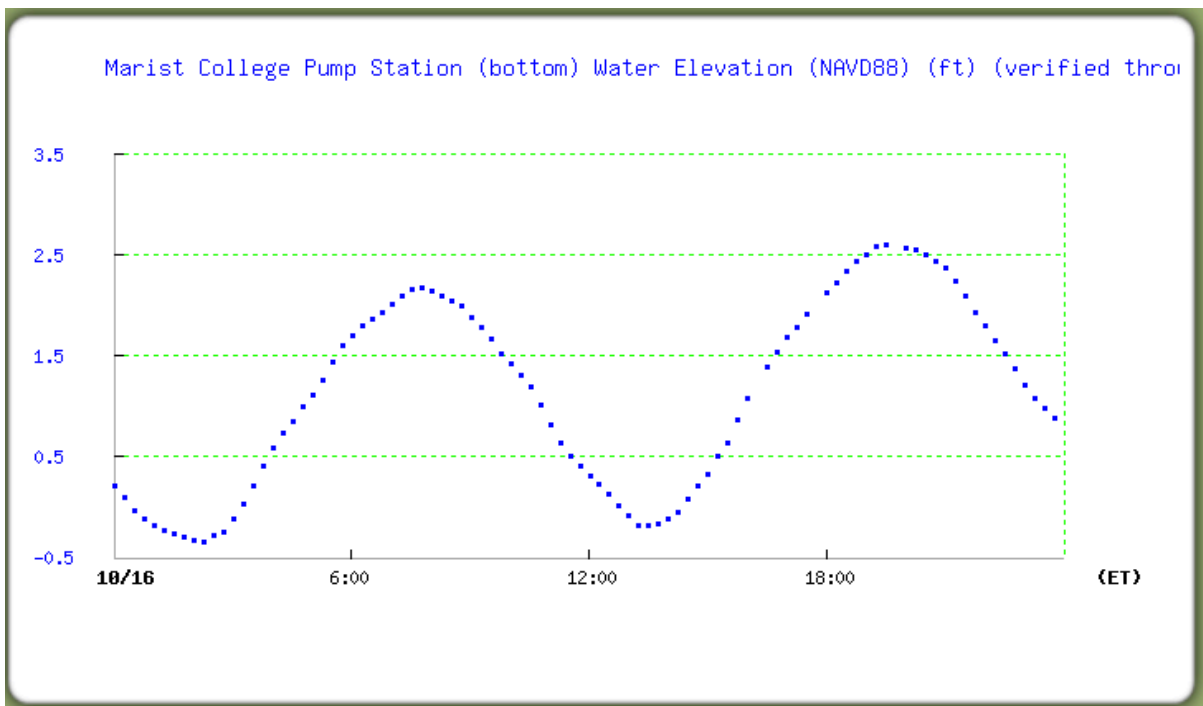
**Surrounding Land Use:** 30 % urban/residential; 30% forested; 40% park area with grass and waterfront docks

**Sampling Site:** shoreline is riprap, vegetation, banks altered, pier, rocky

**River Bottom** –rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b>Physical</b>				
Air Temperature	10:30 AM 11:14 AM 12:39 PM	68 F 72 F 72 F	20 C 22 C 22 C	
Wind Speed	11:14 AM	#3		
Cloud Cover	overcast >75%			
Water	Calm			
Weather	11:14 AM – rain – light drizzle with short heavier showers			
Weather last 3 days	Overcast with heavy rain Wednesday evening into Thursday AM			
<b>Water Temp.-</b> overcast & water still	10:45 AM 11:34 AM 11:45 AM	22 degrees C 22 degrees C 22 degrees C	72 F 72 F 72 F	.
<b>Turbidity – long site tube</b>	AM	23 cm 39 cm 31 cm		Average 31 cm
<b>Chlorophyll</b>				1.5
<b>Chemical</b>				
DO - Drop Count Kit ( <i>Salifert</i> )	10:40 AM 11:00 PM 11:45 PM	15 ppm* 12 ppm 12 ppm		
pH – color match	10:45 AM 11:00 AM 11:34 AM 11:45 AM	7.5 7.0 7.0 7.5		*Possibly result of test
Salinity -				
<b>Fish Catch – 10foot net</b>	<b>Number Caught</b>	<b>Species</b>	<b>Largest</b>	
Attempted to seine twice from ramp with no luck				
<b>Tides</b>	10:45 AM 11:15 AM 11:34 AM 11:50 AM	33 cm 34 cm 32 cm 32 cm	*Tides were falling in this location – see HRECOS graph at end	
<b>Currents</b>	10:45 AM	22.3 cm/sec		EBB
	11:15 AM	16.3 cm/sec		Ebb
	11:35 AM	19.9 cm/sec		Ebb
	10:50 AM	18.1 cm/sec		Ebb
<b>Core</b>	<b>Length of Core</b>	<b>Rare</b>	<b>Common</b>	<b>Abundant</b>
<b>Shipping</b>	<b>Type/Name</b>	<b>Color</b>	<b>Direction</b>	<b>Loaded/</b>

				<b>Light</b>
11:22 AM	Tugboat with 2 barges		Northbound	Loaded
12:28 PM	Coast Guard	White, Black, red striped	Southbound	Loaded
12:50 PM	Sailboat	White	Northbound	



*HRECOS tide graph from Marist Station just to the north of this site. Tides were falling during sampling.*