

**Day in the Life of the Hudson 10/4/12 Data  
RIVER MILE 79**



**Miriam Straus, Oakwood Friends School, 6<sup>th</sup>-8<sup>th</sup> grade, 18 students, 5 adults  
Marist College Waterfront**



**Location:** Marist College riverfront park

**Area:** Lawn down to the waters edge with rip rack edges

**Surrounding Land Use:** Urban with, college campus

**Sampling Site:** vegetation, banks altered, shoreline with raprap – floating dock

**Testing:** 9:30-10:30

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature				
Wind Speed	12:55 PM	Beaufort #3		
Cloud Cover				
Weather today				
Weather recently				
<i>Water Temperature</i>	9:30-10:30 AM	21.78 °C 22.04 22.55		Avg. 22.36 °C

		22.67 22.78		
	11:10 AM	14.5°C		
<i>Water calm</i>				
<i>Turbidity – long site tube</i>	9:30- 10:30 AM	55 cm 56 50		Average 53.7
<i>Chlorophyll</i>	<i>Time</i>	<i>Color Code</i>		
<i>Chemical</i>				
DO (drop count kit)	9:30- 10:30 AM	8 mg/L 8 mg/L 7 mg/L	22°C	93%
pH	9:30- 10:30 AM	7.5 8 7.5		Average 7.75
Salinity - quantab				
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length</i>	<i>Seine</i>
	1	White Perch		
	1	Bluegill		
	1	Silverside		
	4	Shiner		
<i>Total catch</i>	<b>72 or &gt;</b>	<b>Diversity</b>	<b>6 species</b>	
<i>Currents -</i>	<i>Time</i>	<i>Velocity</i>	<i>m/sec</i>	<i>cm/s</i>
	9:30- 10:30	10m/75 sec	0.13 m/sec	0.0013 cm/s
		8.52m/52 sec	0.16	0.0016 cm/s
		72 m/241 sec	0.30	0.0030 cm/s