

**Day in the Life of the Hudson River 10/4/12 Data**  
**RIVER MILE 18**  
**Groundwork Hudson Valley**  
**Jennifer Sloan, Science Barge Educator**  
**Alethea Lynch, Fox Meadow School, 20 third graders, 8 adults**

**Location:** Hudson River @ the Science Barge, Yonkers waterfront south of Beczak  
**Area:** Urban housing and waterfront redevelopment  
**Surrounding Land Use:** In order of use: Industrial/Commerical (1); Urban/Residential (2); Park/picnic (3)  
**Sampling Site:** Docks/pier, bulkheaded concrete, banks changed by people  
**Plants in area:** > 50% of total area has: grass, deciduous trees, coniferous trees, deciduous trees, coniferous shrubs, cultivated flowers  
**Water depth:**  
**River Bottom**

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>	Air Temp		Wind	Beaufort
Air Temperature	12:00 PM	23°C	East	#1
	12:15 PM	22°C	East	#2
	12:30 PM	22°C	East	#1-2
	12:50 PM	22°C	East	#1
Cloud Cover	overcast			
Weather today	light rain			
Weather past few days	Rain and cloudy			
<i>Water Temperature</i>	12:00 PM	20°C		
	12:15 PM	20°C		
	12:30 PM	21°C		
	12:50 PM	22°C		
<i>Turbidity - secchi</i>	12:00 PM	75 c		
	12:15 PM	70 cm		
	12:30 PM	70 cm		
	12:50 PM	60 cm		
<i>Chemical</i>				
DO - Estuary Monitoring kit	12:00 PM	4 ppm	20 C	37% saturated
pH	12:00 PM	8		
Salinity - hydrometer	12:00 PM	10 ppt		9 ppt average for the hour

	12:15 PM	9 ppt		
	12:30 PM	8.5 ppt		
	12:50 PM	8.5 ppt		
<b>Tides</b>	12:00 PM			
	1:00 PM	Rising		
<b>Current</b>	12:00-1:00 PM	Flood	North	