

**Day in the Life of the Hudson River 10/05/2023**  
**Center for the Urban River at Beczak, Yonkers, NY**

**RIVER MILE: 18.3**

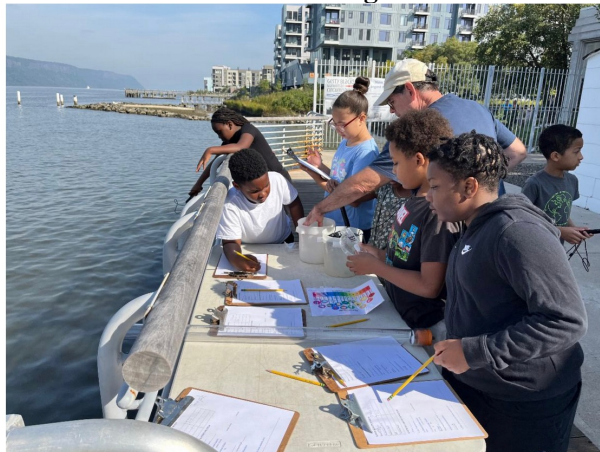
*Salt Front: ~ 52*

**Sarah Lawrence College Center for the Urban River at Beczak (CURB)-Christina Edsall**

**MLK Elementary School-Jennifer Vizcaino**

**25 students, 4<sup>th</sup> grade, 9 adults**

**Latitude 40.938483°N & Longitude -73.90291°W**



**Location:** Sarah Lawrence College Center for the Urban River at Beczak, Yonkers, Westchester County, NY

**Surrounding Land Use:** 90% Urban/Residential, 10% Beach

**Sampling Site:** Sandy Beach, Rip Rap, Concrete Bulkhead, Marshy

**Shoreline:** 10% Sandy, 80% Muddy, 10% Rocky

**Water:** Calm, 120 cm deep

**River Bottom:** Muddy & Sandy

**Plants in the water:** NR

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<i>Physical</i>					
<i>Air Temperature</i>	10:30 AM	20.5°C	69°F		
	11:00 AM	21.6°C	71°F		
	11:30 AM	22°C	72°F		
<i>Wind Speed:</i>	10:45 AM	<i>Anemometer</i>	<i>Beaufort</i> 1	<i>Direction</i> North	
<i>Weather today</i>	10:30 AM	<25% Cloud Cover	No Rain		
<i>Weather the past 3 days:</i>	Mostly Sunny, Temperatures in the high 70s				
<i>Tides- Tide Stick</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>	
	10:30 AM	-		60 cm	
	11:00 AM	Rising		73 cm	
	12:00 PM	Rising		97 cm	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Slack</i>
	10:30 AM	10	0.19		
	11:00 AM	0	0		
	11:30 AM	20	0.38		
<i>Water Temperature-</i>	10:30 AM	20°C	68°F		
	11:00 AM	20°C	68°F		
	11:30 AM	20°C	68°F		
<i>Turbidity- Long Sight</i>	10:30 AM	58 cm			

<i>Tube (120 cm)</i>	11:00 AM 11:30 AM	56 cm 52 cm				
<i>Turbidimeter (NTU)</i>	11:10 AM	9.5				
<b>Chemical</b>						
<b>Standardized Salinity- High Range Quantabs 7.8 QT units</b>	9:30 AM	6,095 ppm total salinity	6.1 ppt total salinity	3374 ppm Cl-		
<b>Student Salinity- Hydrometer</b>	10:30 AM 11:00 AM 11:30 AM	6,000 ppm 7,000 ppm 8,000 ppm	6 ppt 7 ppt 8 ppt			
<b>DO –</b>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>		
<i>Meter/Probe</i>	12:00 PM	20°C	7.5 ppm			
<i>Chemets Kit</i>	11:05 AM	20 °C	7.4 ppm			
<b>pH – Test Stripes</b>	10:30 AM 11:00 AM 11:30 AM	6 7 7				
<i>Color Match Kit</i>	11:10 AM	7.8				
<b>Biological</b>						
<b>Fish- Seine (12 Hauls)</b>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>		
10:30-11:45 AM	2 18 2 10 1 2	Atlantic Menhaden Atlantic Silverside Bay Anchovy Mummichog Northern Pipefish Striped Bass	6.5 cm 10 cm 7.5 cm 10 cm 13 cm 15 cm			
<b>Fish Totals</b>	<b>TOTAL: 35</b>	<b>Diversity: 6</b>				
<b>Macroinvertebrates</b>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>			
	1 7	Moon Jelly Blue Crab	8 cm			
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 8</b>	<b>Diversity: 2</b>				
<b>Sediment Core</b>	<i>Time</i>	<i>Oxid Top</i>	<i>H<sub>2</sub>S Smell</i>	<i>Oil</i>	<i>Grain Size</i>	<i>Other Features</i>
6 cm		No	Yes	No	Abundant: Clay, Mud Common: Sand, Gravel, Pebbles	Abundant: Macroinvertebrates Rare: Wood, Mussel Shells

<b>Boats</b>					
<b>Commercial/ Recreational</b>	<b>Time</b>	<b>Type</b>	<b>Color</b>	<b>Southbound/ Northbound</b>	<b>Light/ Loaded</b>
Commercial	11:30	Barge		Northbound	