

**Day in the Life of the Hudson River 10/05/2023**  
**Mid-Hudson Discovery Children's Museum, Poughkeepsie, NY**  
**RIVER MILE: 76.4**  
*Salt Front: ~ 52*  
**Haviland Middle School-Christen Chamberlain**  
**NYSDEC-Rebecca Houser, I Fish New York team**  
**110 students, 7<sup>th</sup> grade, 14 adults**  
**Latitude N & Longitude -W**



**Location:** Mid-Hudson Discovery Museum, Poughkeepsie, NY  
**Surrounding Land Use:** 100% Urban/Residential  
**Sampling Site:** Adjacent to the Mid-Hudson Discovery Museum, along the shores of the Hudson and Fallkill creek. A pier with a concrete bulkhead, banks altered, rip raps, grassy area, parking lot adjacent.  
**Shoreline:** 75% Rocky & 25% Muddy  
**Water:** Calm  
**River Bottom:** Muddy & Rocky  
**Plants in the water:** No Plants in the water  
 \*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	9:25 AM 10:20 AM 12:12 PM 1:12 PM	17.8°C 20° C 23.9°C 25.2°C	64°F 68° F 74°F 77.3°F	
<i>Wind Speed:</i>	9:20 AM 10:20 AM 12:12 PM 1:12 PM 1:44 PM	<i>Anemometer</i> 1.72 mph 2.41 mph 3.7 mph 2.2 mph 3.1 mph	<i>Beaufort</i> 1	<i>Direction</i> South
<i>Weather today</i>	9:30 AM 12:30 PM	>75% Cloud Cover < 25% Cloud Cover	No Rain No Rain	
<i>Weather the past 3 days:</i>	NR			
<i>Tides- Tide Stick</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
	9:10 AM 10:00 AM 11:00 AM	Falling Falling Falling		

	12:00 PM 12:45 PM 1:55 PM 2:27 PM	Slack Rising Rising Rising				
<b>Current-</b>	<b>Time</b>	<b>Cm/sec</b>	<b>Knots</b>	<b>North/South</b>	<b>Ebb/Flood/Slack</b>	
*Orange Came Back	9:15 AM 10:00 AM 12:10 PM 1:04 PM* 2:20 PM				Flood Flood Slack - Flood	
<b>Water Temperature-</b>	9:30 AM 10:35 AM 1:09 PM	18°C 18°C 20°C		64.4°F 64.4°F 68°F		
<b>Turbidity- Long Sight Tube (120 cm)</b>	10:15 AM 1:30 PM	41 cm 55 cm				
<b>Chemical</b>						
<b>Standardized Salinity- Low Range Quantabs – 1.2 QT units</b>	8:20 AM	Below Detection				
<b>Student Salinity- Low Range Quantabs – 1.6 QT units</b>	12:30 PM	39 ppm Cl <sup>-</sup>		70 ppm Total Salinity		
<b>DO – Hach Drop Count Kit</b>	<b>Time</b>	<b>Temp</b>		<b>ppm DO</b>	<b>% saturation</b>	
	9:06 AM 12:30 PM	18°C 19°C		9 ppm 10 ppm	95% 105%	
<b>pH – Color Match Kit</b>	9:30 AM 10:30 AM 12:30 PM 1:00 PM	7.5 7 7.5 8				
<b>Biological</b>						
<b>Fish- Seining (8 Hauls) &amp; Rod and Reel</b>	<b>Number</b>	<b>Name</b>		<b>Length of longest</b>	<b>Notes</b>	
	2 1 1 2 1 1	American Eel Channel Catfish Banded Killifish White Perch Smallmouth Bass Black Crappie		21 cm    32 cm		
<b>Fish Totals</b>	<b>TOTAL: 8</b>	<b>Diversity: 6</b>				
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>		<b>Length of longest</b>		
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 0</b>	<b>Diversity: 0</b>				
<b>Sediment Core -NR</b>	<b>Time</b>	<b>Oxid Top</b>	<b>H<sub>2</sub>S Smell</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>

<b>Boats- NR</b>					
<b>Commercial/Recreational</b>	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>Southbound/ Northbound</b>	<b>Light/Loaded</b>