

**Day in the Life of the Hudson River 10/05/2023**  
**Hudson Shore Park, Watervliet, NY**  
**RIVER MILE: 152**  
*Salt Front: ~ RM 52*



**North Colonie Central School District-Amy Parks**  
**63 students, 5<sup>th</sup> grade, 6 adults**  
**Latitude 42.73074°N & Longitude -73.69759°W**



**Location:** Hudson Shores Park, Watervliet, Albany County, NY  
**Surrounding Land Use:** Fishing launch, Rocky with weedy vegetation and a few small shrubs (gravelly)  
**Sampling Site:** 10% beach at low tides, 70% park/parking area, 20% planted/forested, across the river land use is 100% industrial/commercial  
**Shoreline:** Rocky & Muddy  
**Water:** NR  
**River Bottom:** NR  
**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>	10:55 AM	20.5 ° C	69 ° F	
<i>Wind Speed:</i>	10:57 AM	<i>Anemometer</i> 6.9 mph	<i>Beaufort</i> 2	<i>Direction</i> South
<i>Weather today</i>	10:53 AM	26-50% Cloud Cover	No Rain	
<i>Weather the past 3 days:</i>	Very hot, sunny, mornings very foggy			

<i>Tides- Tide Stick</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>	
	10:06 AM-10:20 AM	Rising		228 cm 243 cm	
	11:09 AM-12:40 PM	Falling		213 cm 152 cm	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Slack</i>
	11:00 AM	12.9		South	Ebb
	11:20 AM	17.6			Ebb
	11:50 AM	12.4			Ebb
<i>Water Temperature-</i>	10:58 AM	21°C		69.8°F	
<i>Turbidity- Long Sight Tube (120 cm)</i>	10:35 AM	113 cm			
	10:49 AM	>120 cm			
	11:05 AM	>120 cm			
<i>Chemical</i>					
<i>Standardized Salinity- Low Range Quantabs</i>	9:00 AM	Below Detection			
<i>DO – Hach Drop Count Kit</i>	<i>Time</i>	<i>Temp</i>		<i>ppm DO</i>	<i>% saturation</i>
	11:08 AM	21°C		9 ppm	100%
<i>pH – Color Match Kit</i>	10:34 AM	7.3			
	10:49 AM	7.5			
	11:04 AM	6.9			
<i>Biological</i>					
<i>Fish-Seine (24 hauls)</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>	<i>Notes</i>
9:30 AM-1:00 PM					* Did not catch anything
<i>Fish Totals</i>	<b>TOTAL: 0</b>	<b>Diversity: 0</b>			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>	
9:30 AM-1:00 PM					
<i>Macroinvertebrate Totals</i>	<b>TOTAL: 0</b>	<b>Diversity: 0</b>			
<i>Sediment Core -NR</i>	<i>Time</i>	<i>Oxid Top</i>		<i>Grain Size</i>	<i>Other Features</i>

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