

**Day in the Life of the Hudson River 10/13/22**  
**Hudson Shores Park, Watervleit**  
**RIVER MILE: 152**  
*Salt Front: ~ RM76*  
**North Colonie CSD Learning Enrichment Program– Amy Parks**  
*64 students & 7 adults*  
**Latitude 41.471°N & Longitude -74.016°W**



**Location:** Hudson Shores Park, Watervleit, Albany County, NY

**Area:** Public park area with walking path and boat dock used mostly for college crew teams

**Sampling Site:** Grassy, parking lot, riprap (large rocks), pipe entering the water

**Surrounding Land Uses:** 85% Industrial/Commercial, 5% Urban/Residential, 10% Recreational

**Shoreline:** 10% Sandy, 90% Rocky

**River Bottom:** Rocky

**Water:** Choppy

**Plants in the Water:** No plants

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<i>Physical</i>					
<i>Air Temperature-</i>	9:46 AM 10:57 AM 12:55 PM	22.18°C 20.3°C 22.8°C	71.9°F 68.7°F 73°F		
<i>Wind Speed: *note seems very windy!</i>	11:01 AM	<i>Anemometer</i> 19.9 mph	<i>Beaufort</i> 5	<i>Direction</i> S	
<i>Weather today</i>	10:57 AM	>75% cloud cover	No Rain		
<i>Weather the past 3 days:</i>	No rain, highs in the 60s, lows in the upper 40s Not much rain				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>		
*Measured to marker	8:45 AM 10:03 AM 10:50 AM 11:15 AM 12:04 PM 12:56 PM 1:10 PM	Put in marker Falling continuously all day	370.84 cm 497.84 cm 558.8 cm 687.07 cm 848.36 cm 914.4 cm		
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	9:55 AM 10:24 AM 10:42 AM 11:08 AM 12:30 PM 1:10 PM	15.5 11.2 23.8 22.7 18.85 29.27	0.3   0.4 0.37 0.57	NR	Ebb Ebb Ebb NR Ebb NR

<b>Water Temperature-</b>	10:00 AM 11:05 AM 12:30 PM 1:05 PM	14.5°C 18.5°C 16.5°C 15.25°C	58.1°F 65.3°F 61.7°F 59.45°F		
<b>Turbidity- Long Sight Tube (120 cm)</b>	10:22 AM 11:11 AM 12:38 AM	109.12 cm 118.16 cm 116.67 cm			
<b>Chemical</b>					
<b>Salinity-LR Quantab</b>	9:50 AM 12:32 PM	24 ppm Cl- 24 ppm Cl-	1.3 quantab units	43 ppm total salinity 43 ppm total salinity	
<b>Standardized Salinity – NR</b>					
<b>DO – Hach Drop Count Kit</b>	<i>Time</i> 9:50 AM 11:05 AM 12:37 AM	<i>Temp</i> 20°C 18.5°C 19°C	<i>ppm DO</i> 8 ppm 9 ppm 10 ppm	<i>% saturation</i> 90% 95% 105%	
<b>pH – Color Match Kit</b>	11:05 AM	7.4			
<b>Nitrates- NR</b>					
<b>Phosphates- NR</b>					
<b>Alkalinity- NR</b>					
<b>Biological-</b>					
<b>Fish – Did not catch any fish – 16 hauls</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
9:45 AM-1:30 PM					
<b>Fish Totals</b>	<b>TOTAL: 0</b>	<b>Diversity: 0</b>			
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 0</b>	<b>Diversity:0</b>			
<b>Sediment Core – NR</b>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
<b>Boats-</b>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial	12:04 PM	American Independence	White	Southbound	Light
Recreational	10:40 AM	Lemon Drop	White	Northbound	Light