

**Day in the Life of the Hudson River 10/05/2023  
Pebbles Island, Cohoes, NY  
RIVER MILE: 154**



*Salt Front: ~RM RM 52*

**Cohoes High School-Laura Murawski  
25 students, 11<sup>th</sup> grade, 4 adults  
Latitude 42.78305°N & Longitude -73.68137°W**



**Location:** Pebbles Island State Park, Cohoes, NY. At the confluence of the Hudson River and the Mohawk River, Waterford, NY.

**Surrounding Land Use:** 25% Forested, 75% Grassy

**Sampling Site:** Pavilion and grassy areas at Pebbles Island State Park just north of the Troy Dam at the pavilion, grassy embankment, rip rap

**Shoreline:** Rip Rap

**Water:** NR

**River Bottom:** Muddy

**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>	10:59 AM	22.8° C	73° F	
<i>Wind Speed:</i>	10:09 AM	<i>Anemometer</i>	<i>Beaufort</i> 3	<i>Direction</i> Southeast
<i>Weather today</i>	10:56 AM	26-50% Cloud Cover	No Rain	

<b>Weather the past 3 days: NR</b>					
<b>Tides- NA</b>	<b>Time</b>	<b>Rising, Falling, Unchanged</b>		<b>Height (cm)</b>	
<b>Current-</b>	<b>Time</b>	<b>Cm/sec</b>	<b>Knots</b>	<b>North/South</b>	<b>Ebb/Flood/Slack</b>
	10:35 AM 10:56 AM	5.3 14.1			
<b>Water Temperature-</b>	10:15 AM	16°C		60.8°F	
<b>Turbidity- Long Sight Tube (120 cm)</b>	9:27 AM	>120 cm			

**Chemical**

<b>Standardized Salinity- Low Range Quantabs</b>	11:57 AM	30 ppm Cl <sup>-</sup>	54 ppm total salinity	
<b>Student Salinity- Low Range Quantabs</b>	10:15 AM	1.2 ppm*	*expect this is the quantab reading which would put it below detection	
<b>DO – Hach Drop Count Kit</b>	<b>Time</b>	<b>Temp</b>	<b>ppm DO</b>	<b>% saturation</b>
	10:39 AM	16°C	11 ppm	105%
<b>pH – Color Match Kit</b>	12:30 PM	8		

**Biological**

<b>Fish- Seine (4 Hauls)</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Notes</b>		
10:11 AM-12:34 PM	49 3 1 1	Banded Killifish Smallmouth Bass Tessellated Darter Northern Log Perch				
<b>Fish Totals</b>	<b>TOTAL: 54</b>	<b>Diversity: 4</b>				
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>			
	1	Zebra Mussel				
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 1</b>	<b>Diversity: 1</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>

**Boats-NR**

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