

**Day in the Life of the Hudson River 10/13/22**  
**New Baltimore Preserve (Hannacroix Creek Preserve)**

**RIVER MILE: 132.5**

*Salt Front: ~ RM76*

**Pieter B. Coeymans ES School 5<sup>th</sup> grade – Sean Powers**

*69 students & 17 adults*

**Five Rivers Environmental Education Center- Drew Hopkins**

**Latitude 42.461568 N & Longitude – 73.786948 W**



**Location:** Hannacroix Creek Preserve, New Baltimore Conservancy, New York

**Area:** Grassy, Forested

**Surrounding Land Use:** 94% Forested; 5% Wetland; 1 % Beach

**Sampling Site:** Beach; banks altered; covered vegetation; concrete bulkhead.

**Shoreline:** 80% Sandy; 20% Muddy; traces of rocks

**River Bottom:** muddy, weedy, sandy

**Plants in area:** 80% common reed; 10% Spatterdock, 5% cattail; 5% wild rice

**Water:** 244 cm deep; wavy and clear

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature-</i>	11:45 AM	18.5°C	65.3°F	
<i>Wind Speed:</i>	11:40 AM	<i>Anemometer</i> 1.1 mph	<i>Beaufort</i> NR	<i>Direction</i> S
<i>Weather today</i>	11:45 AM	>75% cloud cover	Start & Stop Rain	
<i>Weather the past 3 days:</i>	Above Average Temperatures and clear			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>	
	11:40 AM	Falling	NR	
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i> <i>Ebb/Flood/Still</i>
<i>Water Temperature- NR</i>				
<i>Turbidity- Long Sight Tube (cm)</i>	12:00 PM	30 cm		
<b>Chemical</b>				
<i>Salinity-LR Quantabs</i>	11:44 AM	Error in reading		
<i>Standardized Salinity – LR Quantabs</i>	8:50 AM	65 ppm		
<i>DO – NR</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>

<i>pH – Color Match Kit</i>	11:45 AM	4.5* An error			
<i>Nitrates- NR</i>					
<i>Phosphates- NR</i>					
<i>Alkalinity- NR</i>					
<b>Biological-</b>					
<i>Fish – Seine – 1 pull</i>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
10:30 AM	1 6	Spottail Shiner Banded Killifish			
<b>Fish Totals</b>	<b>TOTAL: 7</b>	<b>Diversity: 2</b>			
<i>Macroinvertebrates</i>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
	4 (1F, 3M)	Blue Crab			
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 4</b>	<b>Diversity: 1</b>			
<b>Sediment Core –</b>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
20 cm	No	NR	No	Common: mud, sand, gravel, pebbles	Common: leaves, brick
<b>Boats- NR</b>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Recreational					