

Day in the Life of the Hudson River 10/05/2023
Hannacroix Creek Preserve, New Baltimore, NY
RIVER MILE: 132.5

Salt Front: ~ 52

Pieter B. Coeymans Elementary School-Sean Powers
5 Rivers Environmental Center-Drew Hopkins
70 students, 4th grade, 16 adults
Latitude 42.46361°N & Longitude -73.787453°W

Location: Hannacroix Creek Preserve, New Baltimore Conservancy, NY

Surrounding Land Use: 94% Forested, 5% Wetland, 1% Beach

Sampling Site: West side of the Hudson. Area is grassy, forested.

Shoreline: Altered banks, covered in vegetation, and concrete bulkhead.

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>
Physical					
<i>Air Temperature</i>	12:50 PM	25.9° C		78.6° F	
<i>Wind Speed:</i>	12:50 PM	<i>Anemometer</i> 4.1 mph		<i>Beaufort</i>	<i>Direction</i> SW
<i>Weather today</i>	10:30 AM	<25% Cloud Cover		No Rain	
<i>Weather the past 3 days:</i>	Windy				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>	
	11:40 AM	Falling			
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Slack</i>
<i>Water Temperature-</i>	1:05 PM	21.11°C		70°F	
<i>Turbidity- Long Sight Tube (120 cm)</i>	11:40 AM	52 cm			
Chemical					
<i>Standardized Salinity- Low Range Quantabs – 1.4 qt units</i>	NR	30 ppm Cl-		54 ppm total salinity	
<i>Student Salinity- Low Range Quantabs - < 1.0</i>	1:05 PM	Below Detection		*they recorded as HR quantab but a 1.0 reading is only possible with LR	
<i>DO –</i>	<i>Time</i>	<i>Temp</i>		<i>ppm DO</i>	<i>% saturation</i>
	12:50 PM	21.11°C		7 ppm	
<i>pH – Meter</i>	1:05 PM	7.8			
Biological					
<i>Fish-Seine (2 hauls)</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>	<i>Notes</i>
10:30-11:00 AM	7	Banded Killifish		5 cm	
	1	Spottail Shiner		7.5 cm	
Fish Totals	TOTAL: 8	Diversity: 2			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>	
Macroinvertebrate Totals	TOTAL: 0	Diversity: 0			
<i>Sediment Core</i>	<i>Time</i>	<i>Oxid Top</i>	<i>H₂S Smell</i>	<i>Oil</i>	<i>Grain Size</i>
					<i>Other Features</i>

15 cm		No	Yes	No	<i>Common: Sand & Gravel</i>	
-------	--	----	-----	----	----------------------------------	--

Boats-NR

Commercial/Recreational	Time	Name	Color	Southbound/Northbound	Light/Loaded