

Day in the Life of the Hudson River 10/14/21

Hannacroix Creek Preserve

RIVER MILE: 132.5

Salt Front: ~ 49

Sean Powers & Pieter B. Coeymans ES

67 students 5th grade & 7 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, covered in vegetation

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; calm

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	12:48 PM	23.6 ° C	74.4° F	
<i>Wind Speed:</i>	12:49 PM	<i>Anemometer</i> 1.2 m/s	<i>Beaufort</i> NR	<i>Direction</i> SE
<i>Weather today</i>	10:00 AM	51-75% cloud cover	No rain	
<i>Weather the past 3 days:</i>	Partly sunny Lows in the 50s and highs in the low 70s			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
	10:00 AM	Rising	NR	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i> <i>Ebb/Flood/Slack</i>
	NR	NR	NR	NR
<i>Water Temperature-</i>	NR	NR	NR	
<i>Turbidity- Long Sight Tube</i>	11:42 AM	60 cm		
Chemical				
<i>Salinity-</i>	NR	NR		
<i>Standardized Salinity- Low Range Quantabs</i>	1:10 PM	BD		
<i>DO – NR</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% Saturation</i>
<i>pH – Color Match Kit</i>	12:49 PM	7.5		
<i>Nitrates- NR</i>				
<i>Phosphates-NR</i>				
Biological				
<i>Fish -</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
<i>Seined</i>	3	Herring sp.	13 cm	NR
<i>10:30 AM</i>	7	White Perch	20cm	16 cm
<i>12:07 PM</i>	3	Killifish (banded)	15 cm	12 cm
Fish Totals	TOTAL: 3	Diversity: 1		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>

Macroinvertebrate Totals	TOTAL: 0	Diversity: 0			
<i>Sediment Core -NR</i>					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
15 cm core	no	no	no	Grainy, gritty,	Sticks, plant material in it
<i>Boats-NR</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial	NR				
Residential	NR				