

**Day in the Life of the Hudson River 10/22/19**

**HANNACROIX CREEK PRESERVE**

**RIVER MILE: 132.5**

*Salt Front: ~ RM 53*

**Ravena-Coeymans-Selkirk Middle School- Jennifer Fisk-Jaskolka**

**30 students 7<sup>th</sup> grade Honors Living Environment**

**Pieter B. Coeymans Elementary School- Sean Powers**

**60 students 5<sup>th</sup> Grade, 8 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; calm

<i><b>ITEM</b></i>	<i><b>Time</b></i>	<i><b>Reading</b></i>		<i><b>Comments</b></i>
<i><b>Physical</b></i>				
<i>Air Temperature</i>	9:54 AM	52 ° F		
	10:26 AM	55 ° F		
	10:47 AM	53 ° F		
	12:10 PM	57 ° F		
	1:16 PM	58 ° F		
<i>Wind Speed:</i>	9:54-1:16 PM	2.5 mph	Beaufort 1.3	Southeast

<i>Weather today</i>	9:54-1:16 PM No rain, mostly cloudy (75%)			
<i>Weather the past 3 days:</i>	0.19 inches of rain over the weekend; 2.65 inches previous week; 50-60 ° F			
<b><i>Tides-</i></b>	<b><i>Time</i></b>	<b><i>Rising, Falling, Unchanged</i></b>	<b><i>Height (cm)</i></b>	<b><i>Rate of Tidal Change (cm/min)</i></b>
*High Tide was 11:19 AM per charts	9:54 AM 10:26 AM 10:47 AM 10:58 AM 12:10 PM 12:36 PM 12:53 PM 1:16 PM	Rising Rising Rising Rising Falling Falling Falling Falling	79 89 94 97 84 71 66 56	NA 0.3125 0.238 0.273 0.181 0.5 0.294 0.435
<b><i>Current-</i></b>	<b><i>cm/second</i></b>	<b><i>Knots</i></b>	<b><i>North/South</i></b>	<b><i>Ebb/Flood/Still</i></b>
9:54 AM 10:26 AM 10:47 AM 12:56 PM	1.2 8.1 2.2 4.6	*seems like it should be flooding here*	North South* South* South	Flood Ebb Ebb Ebb
<b><i>Water Temperature</i></b>	NA			
<b><i>Turbidity - long sight tube</i></b>	11:30 AM	27.5 cm, 29 cm, 28.5 cm <b><i>Avg: 28.33 cm</i></b>		Clearish yellow from side; brown from top
<b><i>Chemical</i></b>				
<b><i>Salinity- NA</i></b>	<b><i>Time</i></b>	<b><i>Chloride ppm Cl</i></b>	<b><i>Total Sal. Ppm</i></b>	
<b><i>DO –</i></b>	<b><i>Time</i></b>	<b><i>Temp</i></b>	<b><i>ppm DO</i></b>	<b><i>% saturation</i></b>
NA				
<b><i>pH – NA</i></b>				
<b><i>Fish</i></b>	<b><i>Number</i></b>	<b><i>Name</i></b>	<b><i>Length of longest</i></b>	
Seine 20'	8 2	Spottail Shiner Golden Shiner	10 cm	
<b><i>Fish Totals</i></b>	<b>TOTAL: 10</b>	<b>Diversity: 2</b>		
<b><i>Macroinvertebrates</i></b>	<b><i>Number</i></b>	<b><i>Name</i></b>	<b><i>Length of longest</i></b>	
NA				
<b><i>Macroinvertebrate Totals</i></b>	<b>TOTAL:</b>	<b>Diversity:</b>		
<b><i>Sediment Core</i></b>	<b><i>Time</i></b>	<b><i>Oxid Top</i></b>	<b><i>Grain Size</i></b>	<b><i>Other Items</i></b>
Length:	1:15 PM	No	Abundant: clay, mud, sand Common: Gravel, pebbles	H <sub>2</sub> S Smell Rare: Leaves, wood, living vegetation
<b><i>Boats</i></b>	<b><i>Time</i></b>	<b><i>Name/Color</i></b>	<b><i>North/South</i></b>	<b><i>Loaded/Unloaded</i></b>
Commercial Recreational	1:15 PM 1:00 PM	White White	North East	Light NA
<b><i>Observations</i></b>	Water chestnut seeds; drift wood; cormorant; bald eagle, seagull, slug			