

**Day in the Life of the Hudson River 10/22/20**  
**ESOPUS MEADOWS, ULSTER PARK**  
**RIVER MILE: 87**  
*Salt Front: RM 75*  
**Clearwater - Eli Schloss & total 7 adults**  
**Latitude 41.868266 N & Longitude – 73.950724**



**Location:** Beach Lighthouse Park, Esopus Meadows Preserve, Town of Esopus, Ulster County, NY  
**Area:** A path along the beach with rising forested hills  
**Surrounding Land Use:** 85% Forested; 10% Beach, 5% Other  
**Sampling Site:** Rocky shallow, sloping beach area covered with vegetation  
**River Bottom:** muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature:</i>	1:25 PM	22 °C	74 °F	
<i>Wind Speed:</i>	1:25 PM	0-3 knots	Southeast	
<i>Weather Today:</i>	1:25 PM no rain			
<i>Weather last 3 days</i>	Gusty winds, partly cloudy			
<i>Water Temperature</i>	1:25PM	20 ° C	68 ° F	
<b>Chemical</b>				
<i>Salinity-</i>	<i>Time</i>	<i>Chloride</i>	<i>Total Salinity</i>	
	N/R			
<i>DO – Hach drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	3:45 PM	20 ° C	8	100%
<i>pH – color match</i>	2:15 PM	7		
<b>Biological</b>				
<i>Fish- Seine</i> 25' x 4' x 1/4'	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length Shortest</i>
	35	Blueback Herring	5 cm	4 cm
	2	White Perch	19 cm	14 cm
	1	Banded Killifish	9 cm	7 cm
	1	Spottail Shiner	7 cm	NA
	2	Bluegill Sunfish	6 cm	NR
	8	Pumpkinseed	8 cm	6 cm
	<b>TOTAL: 49</b>	<b>Diversity: 6</b>		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	1	Blue Crab	4 cm	

		<b>TOTAL: 1</b>	<b>Diversity: 1</b>		
<i>Tides</i>	<i>Time of Low Tide</i>	<i>Time of High Tide</i>	<i>Sampling Time</i>	<i>Tide Movement</i>	<i>Tides</i>
	12:30 PM	6:45 PM	1:50 PM	Flooding	
<i>Boats</i>	<i>Time</i>	<i>Name</i>	<i>Color</i>	<i>North or South</i>	<i>Loaded or Light</i>
	NR				