

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

Esopus Meadows, Ulster Preserve

RIVER MILE: 87

Salt Front: ~ 49

Eli Schloss & Clearwater

27 students (2nd and 3rd grade) & 7 adults

Latitude & Longitude – Latitude 41.86 N & Longitude – 73.95 W



Location: Esopus Meadows Preserve, Ulster Preserve

Area: Long beach just off the blue trail at Esopus Meadows Preserve

Surrounding Land Use: 100% Urban/Residential

Sampling Site: Forested, grassy, beach area, parking lot

Shoreline: 30% Muddy and 70% Rocky

Water: Calm

River Bottom description: muddy and rocky

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<i>Physical</i>					
<i>Air Temperature</i>	12:29 PM	25 ° C	78° F		
<i>Wind Speed:</i>	12:29 PM	<i>Anemometer</i> 1 mph	<i>Beaufort</i> 1	<i>Direction</i> SW	
<i>Weather today</i>	12:29 PM	26-50% cloud cover	No rain		
<i>Weather the past 3 days:</i>	foggy in the morning, sunny and warm the rest of the day				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>	
	10:42 AM 11:46 AM 12:52 PM	Falling Falling Falling		NR	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Slack</i>
	10:42 AM 11:46 AM 12:52 PM	NR	NR	South	Ebb Ebb Ebb
<i>Water Temperature-</i>	12:52 PM	18° C	65° F		
<i>Turbidity- Long Sight Tube</i>	11:42 AM	14 cm			
<i>Chemical</i>					
<i>Salinity-</i>	NR	NR			
<i>Standardized Salinity-</i>	11:15 AM	BD			

<i>Low Range Quantabs</i>					
DO –		<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% Saturation</i>
		NR	18° C	NR	NR
pH – NR					
Nitrates-NR					
Phosphates-NR					
Biological					
Fish -	Number	Name	Length of longest	Length of smallest	
<i>Seined 7 hauls between 10:00 to 12:00</i>	1	American eel	12 cm	NR	
	34	Blueback Herring	6 cm		
	3	Spottail Shiner	7 cm		
	1	Striped Bass	8 cm		
	1	Pumpkinseed	10 cm		
	3	Bluegill	7 cm		
	1	Largemouth Bass	20 cm		
Fish Totals	TOTAL: 44	Diversity: 7			
Macroinvertebrates	Number	Name	Length of longest	Length of smallest	
	2	Blue Crab	2 cm	NR	
Macroinvertebrate Totals	TOTAL: 2	Diversity: 1			
Sediment Core -NR					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
Boats					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial	10:10 AM	SSI	NR	Northbound	Light
	12:20 PM	Marvelous Barge (McAllister)	Red	Northbound	Loaded
	2:05 PM	McAllister	Red	Southbound	Light
Residential	10:17 AM	NR	NR	Northbound	NR
	1:50 PM	NR	NR	Southbound	NR
				*Same workboat going to and from lighthouse	