

Day in the Life of the Hudson River 10/22/20

MATTHIESSEN PARK, IRVINGTON

RIVER MILE: 25

Salt Front: ~ RM 75

Lamont Doherty Earth Observatory– Margie Turrin, Laurel Zaima

Philip Levine- Retired Irvington School teacher

Latitude 41.04164 N & Longitude – 73.87398 W



Location: Matthiessen Park, Irvington, Westchester, NY

Area: Park in Irvington along the Hudson River, off of Main Street.

Surrounding Land Use: 60% Recreation/grass and playground; 10% Beach; 30% Trees

Sampling Site: Pier, sandy beach, altered banks, riprap, wood bulkhead, pipe entering the water, area covered in vegetation, forested, grassy park used for recreation: boating, jogging, fishing, picnics, playground

Shoreline: 90% Sandy, 10% rocky.

Plants in area: No plants in the water area

River Bottom: Sandy and Rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	9:45 AM	18.6 ° C	65.4 ° F	
<i>Wind Speed:</i>	9:45 AM	0-0.5 m/s	Northeast	
<i>Weather today</i>	No Rain			
<i>Weather past 3 days:</i>	Cold nights, days 50-60s, foggy, rain night before last			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	9:03 AM	3:19 PM	8:30 AM	Slack
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	NR			
<i>Water Temperature-</i>	9:41 AM	18 ° C	64.4 ° F	
<i>Turbidity- Long Sight Tube</i>	9:50 AM	19.8 cm		
Chemical				
<i>Salinity- Hydrometer</i>	9:00 AM	11 ppt		
<i>DO – Hach Drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	9:41 AM	18 ° C	11 ppm	115
<i>pH – Color Match Kit</i>	9:10 AM	7.5		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
2 Seines @ 8:45 AM	5	Atlantic Silverside	11 cm	8 cm
	7	Striped Bass	12 cm	9.5 cm
Fish Totals	TOTAL: 12	Diversity: 2		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
15 Male & 15 Female (1 softshell)	30	Blue Crab	9 cm	1 cm
Macroinvertebrate Totals	TOTAL: 30	Diversity: 1		