

Day in the Life of the Hudson River 10/13/22

East River Park Promenade, E 7th St, NY

East RIVER MILE: 3

Salt Front: ~ 76

LES Ecology Center– Jennifer Bombardier

NEST+4 5th grade students

52 students & 2 adults

Latitude °N & Longitude -- °W



Small Scup (Porgy) ~12 cm

Location: East River Park, New York, NY

Area: On the East River Promenade near the northern corner of the track

Sampling Site: Grassy, altered banks, and a pipe entering the water

Surrounding Land Uses: 50% Urban/Residential, 50% Park

Shoreline: NR

River Bottom: NR

Water: Choppy

Plants in the Water: NR

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature- NR</i>				
<i>Wind Speed: NR</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>
<i>Weather today</i>	10:30 AM	>75% cloud cover	No Rain	
<i>Weather the past 3 days:</i>	Clear and cool and dry			
<i>Tides- NR</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
				<i>Ebb/Flood/Still</i>
<i>Water Temperature-</i>	10:20 AM	17°C	64°F	
	1:15 PM	17°C	63°F	
<i>Turbidity- Long Sight Tube (cm)</i>	10:20 AM	Recorded twice as 120 cm which means beyond the range of the tube as the long tube is 120cm in length		
<i>Chemical</i>				
<i>Salinity-Hydrometer</i>	10:20 AM	24, 24 and 23 ppt		
	1:20 PM	24 ppt X 3 readings		
<i>Standardized Salinity – Refractometer</i>	10:30 AM	25 ppt		
<i>DO – NR</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
<i>pH – Meter</i>	10:20 AM	7.6		

<i>Nitrates- NR</i>					
<i>Phosphates- NR</i>					
<i>Alkalinity- NR</i>					
Biological-					
<i>Fish – Rod and Reel</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
<i>12:15 PM</i>	1	Scup (porgy) /stenotomus chrysops	12 cm		
Fish Totals	TOTAL: 1	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			
Sediment Core – NR					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
Boats- NR					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial					
Recreational					