

Day in the Life of the Hudson River 10/05/2023
East River State Park Promenade,
EAST RIVER MILE: 3
Salt Front ~RM52
NEST + m (01M539) -Joan Christou
57 students, 5th grade, 12 adults
Latitude N & Longitude -W



Location: East River State Park/ John V. Lindsay East River Park Promenade at East 7th St.,
Surrounding Land Use: 50% Urban/Residential, 50% Industrial/Commerce
Sampling Site: Concrete Bulkhead
Shoreline: 95% Rocky, 5% Muddy
Water: NR
River Bottom: Muddy & Rocky
Plants in the water: No Plants in the water
 *NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	10:00 AM 12:47 PM	21.7°C 29.3°C	71°F 84.7°F	
<i>Wind Speed: NR</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>
<i>Weather today</i>	10:00 AM	<25% Cloud Cover	No Rain	
<i>Weather the past 3 days:</i>	Mix of rain and clouds in the last few days but sampling day was clear and warm			
<i>Tides- NR</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i> <i>Ebb/Flood/Slack</i>

Water Temperature-	10:00 AM 12:30 PM 12:47 PM	20°C 21°C 21°C	68°F 69.8°F 69.8°F			
Turbidity- Secchi Disk (cm)	10:00 AM 12:48 PM	85.3 cm 80.6 cm				
Long Sight Tube (120 cm)	9:45 AM	85 cm				
Chemical						
Standardized Salinity- Refractometer		23,000 ppm	23 ppt			
Student Salinity- Hydrometer	9:45 AM 10:00 AM 12:47 PM	22,000 ppm 22,000 ppm 21,500 ppm	22 ppt 22 ppt 21.5 ppt			
DO – Chemets Kit	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>		
	10:00 AM 10:25 AM 12:30 PM 12:55 PM	20°C	6 ppm 6 ppm 6 ppm 7 ppm	65%		
pH – pH Pen Meter/Probe	10:00 AM 12:47 PM 10:00 AM	7.7 7.9 7.6				
Biological						
Fish- Rod & Reel	Number	Name	Length of longest	Notes		
12:00 PM-1:15 PM	2	Black Seabass	19 cm	15.25 cm smallest		
Fish Totals	TOTAL: 2	Diversity: 1				
Macroinvertebrates	Number	Name	Length of longest			
Macroinvertebrate Totals	TOTAL: 0	Diversity: 0				
Sediment Core -NR	Time	Oxid Top	H₂S Smell	Oil	Grain Size	Other Features

Boats					
Commercial/ Recreational	Time	Type	Color	Southbound/ Northbound	Light/ Loaded
Commercial	12:25	Ferry	White & Black	Northbound	Loaded
Commercial	12:27	Barge	Brown	Northbound	Loaded
Commercial	12:25	Tug Boat	White & Red	Southbound	Light
Recreational	12:32	Speed Boat	Green	Northbound	Light