

Day in the Life of the Hudson River 10/05/2023
Christopher Street Pier (Hudson River Park Pier 45), Manhattan, NYC

RIVER MILE: 3.2

Salt Front: ~ 52

PS3- Catherine Schrager, Jennifer Milligan & Charly Green

NYC Soil & Water Conservation District- Shino Tanikawa

50 students, Kindergarten & 2nd-3rd grade, 18 adults

Latitude 40.73315°N & Longitude -74.01369°W

Location: Christopher Street Pier (Hudson River Park Pier 45), Manhattan, NYC

Surrounding Land Use: Urban/Residential

Sampling Site: Recreational Pier, Wood & Concrete Bulkhead, Grassy Area

Shoreline: NR

Water: Slight Waves

River Bottom: NR

Plants in the water: NR

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
Physical					
<i>Air Temperature</i>	1:05 PM	24.4° C	76° F		
<i>Wind Speed: NR</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>	
<i>Weather today</i>	10:45 AM	<25% Cloud Cover			
<i>Weather the past 3 days: NR</i>					
<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>
<i>Water Temperature-</i>	11:00 AM 12:05 PM	19.5°C 25.6°C	67.1°F 78°F		
<i>Turbidity- NR</i>					
Chemical					
<i>Standardized Salinity-High Range Quantabs – 8.8 QT units</i>	12:05 PM	10,174 ppm		10.2 ppt	5632 ppm Cl-
<i>Student Salinity- Hydrometer</i>	11:20 AM 1:10 PM	11,300 ppm 11,700 ppm		11.3 ppt 11.7 ppt	<i>averages</i>
<i>DO –</i>	<i>Time</i>	<i>Temp</i>		<i>ppm DO</i>	<i>% saturation</i>
<i>Chemets Kit</i>	11:15 AM 1:15 PM	19.5 25.5		7 ppm 6 ppm	75%
<i>LaMotte Drop Count Kit</i>	12:00 PM	19.5		5.2 ppm	
<i>pH – Test Stripes</i>	11:15 AM 1:20 PM	7 7.2			
<i>Color Match Kit</i>	11:20 AM	7			
Biological- Did not fish					
<i>Fish</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>	<i>Notes</i>
Fish Totals	TOTAL:	Diversity:			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>	

Macroinvertebrate Totals	TOTAL:	Diversity:				
<i>Sediment Core -NR</i>	<i>Time</i>	<i>Oxid Top</i>	<i>H₂S Smell</i>	<i>Oil</i>	<i>Grain Size</i>	<i>Other Features</i>

Boats-NR					
Commercial/ Recreational	Time	Name	Color	Southbound/ Northbound	Light/ Loaded