

Day in the Life of the Hudson River 10/05/2023
Rensselaer Riverfront Park, Rensselaer, NY
RIVER MILE: 144.5
Salt Front: ~ RM 52
Robert C. Parker School-John Sherry
60 students, 8th grade, 10 adults
Latitude 42.642375°N & Longitude -73.746393°W

Location: Rensselaer Riverfront Park, Rensselaer County, NY
Surrounding Land Use: Parkland (1.5 acre), Industrial/Commercial & Urban/Residential
Sampling Site: East side of the Dunn Memorial Bridge, 1.5 acre grassy park with walking esplanade, a few trees, fishing dock.
Shoreline: Sections with altered banks and sections left more natural
Water: NR
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-NR</i>		° C		° F	
<i>Wind Speed:</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>	
<i>Weather today</i>	10:30 AM	<25% Cloud Cover		No Rain	
<i>Weather the past 3 days:</i>	Light Rain				
<i>Tides- NR</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Slack</i>
	10:30 AM	15.24			Ebb
	11:00 AM	26.21			Ebb
<i>Water Temperature-NR</i>					
<i>Turbidity- Long Sight Tube (120 cm)</i>	10:30 AM	80 cm			
Chemical					
<i>Standardized Salinity- Low Range Quantabs</i>	10:40 AM	1.4 quantab units 30 ppm Cl-		54 ppm Total Salinity	
<i>DO – Hach Drop Count Kit</i>	<i>Time</i>	<i>Temp</i>		<i>ppm DO</i>	<i>% saturation</i>
	10:30 AM	NR		8 ppm	
<i>pH – NR</i>					
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</i>	<i>Time</i>	<i>Oxid</i>	<i>H₂S</i>	<i>Oil</i>	<i>Grain Size</i>
					<i>Other</i>

		<i>Top</i>	<i>Smell</i>			<i>Features</i>
		No	No	No		Rare: Leaves, wood and living vegetation

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