

Day in the Life of the Hudson River 10/05/2023

Seeger Riverfront Park, Beacon, NY

RIVER MILE: 61.2

Salt Front: ~ 52

South Avenue Elementary School-Aaron Burke

38 students, 5th grade, 7 adults

Latitude 41.50887°N & Longitude -73.98538°W



Location: Seeger Riverfront Park, Beacon, Dutchess County, NY

Surrounding Land Use: 100% Urban/Residential

Sampling Site: Beach, covered in vegetation, banks altered, rip rap

Shoreline: Rocky

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>
<i>Physical</i>				
<i>Air Temperature</i>	10:34 AM	19.5°C	67°F	
	10:45 AM	20.6°C	69°F	
	11:09 AM	19.5°C	67°F	
	11:30 AM	20.6°C	69°F	
<i>Wind Speed:</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>
	10:36 AM	2.4 m/s		
	10:45 AM	4.03 m/s	1	
	11:11 AM	3.03 m/s		
<i>Weather today</i>	10:49 AM	>75% Cloud Cover	No Rain	
	11:00 AM	51-75% Cloud Cover	No Rain	
<i>Weather the past 3 days:</i>	Cool in AM, Warm in PM, little precipitation			
<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- NR</i>				
<i>Turbidity- NR</i>				

Chemical

<i>Standardized Salinity- Low Range Quantabs</i>	44 ppm Cl-	79 ppm Total Salinity	0.79 ppt - TS	1.8 LR QT units
<i>DO – Chemets Kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	11:00 AM	NR	7 ppm	60%
<i>pH – Color Match Kit</i>	11:00 AM	7		
<i>Nitrates-</i>				

Biological

<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>		
	33	Herring sp.				
	5	Golden Shiner				
	6	White Perch				
	1	Striped Bass				
	1	Tessellated Darter				
Fish Totals	TOTAL: 46	Diversity: 5				
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>			
Macroinvertebrate Totals	TOTAL: 0	Diversity: 0				
<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