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

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Time</th>
<th>Reading</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Air Temperature</strong></td>
<td>10:34 AM</td>
<td>19.5°C</td>
<td>67°F</td>
</tr>
<tr>
<td></td>
<td>10:45 AM</td>
<td>20.6°C</td>
<td>69°F</td>
</tr>
<tr>
<td></td>
<td>11:09 AM</td>
<td>19.5°C</td>
<td>67°F</td>
</tr>
<tr>
<td></td>
<td>11:30 AM</td>
<td>20.6°C</td>
<td>69°F</td>
</tr>
<tr>
<td><strong>Wind Speed:</strong></td>
<td>10:36 AM</td>
<td>Anemometer</td>
<td>Beaufort</td>
</tr>
<tr>
<td></td>
<td>10:45 AM</td>
<td>2.4 m/s</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>11:11 AM</td>
<td>4.03 m/s</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.03 m/s</td>
<td></td>
</tr>
<tr>
<td><strong>Weather today</strong></td>
<td>10:49 AM</td>
<td>&gt;75% Cloud Cover</td>
<td>No Rain</td>
</tr>
<tr>
<td></td>
<td>11:00 AM</td>
<td>51-75% Cloud Cover</td>
<td>No Rain</td>
</tr>
<tr>
<td><strong>Weather the past 3 days:</strong></td>
<td>Cool in AM, Warm in PM, little precipitation</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tides- NR</strong></td>
<td>Time</td>
<td>Rising, Falling, Unchanged</td>
<td>Height (cm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Current- NR</strong></td>
<td>Time</td>
<td>Cm/sec Knots</td>
<td>North/South</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Water Temperature- NR</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Turbidity- NR</strong></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
### Chemical

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

### Biological

<table>
<thead>
<tr>
<th>Fish</th>
<th>Number</th>
<th>Name</th>
<th>Length of longest</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>33</td>
<td>Herring sp.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>Golden Shiner</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>White Perch</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Striped Bass</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Tessellated Darter</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fish Totals: TOTAL: 46  Diversity: 5

<table>
<thead>
<tr>
<th>Macroinvertebrates</th>
<th>Number</th>
<th>Name</th>
<th>Length of longest</th>
</tr>
</thead>
</table>

Macroinvertebrate Totals: TOTAL: 0  Diversity: 0

<table>
<thead>
<tr>
<th>Sediment Core - NR</th>
<th>Time</th>
<th>Oxid Top</th>
<th>H₂S Smell</th>
<th>Oil</th>
<th>Grain Size</th>
<th>Other Features</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Boats-NR</th>
<th>Commercial/Recreational</th>
<th>Time</th>
<th>Name</th>
<th>Color</th>
<th>Southbound/Northbound</th>
<th>Light/Loaded</th>
</tr>
</thead>
</table>