Day in the Life of the Hudson River 10/22/20
ESOPUS MEADOWS, ULSTER PARK
RIVER MILE: 87
Salt Front: RM 75
Clearwater - Eli Schloss & total 7 adults
Latitude 41.868266 N & Longitude – 73.950724

Location: Beach Lighthouse Park, Esopus Meadows Preserve, Town of Esopus, Ulster County, NY
Area: A path along the beach with rising forested hills
Surrounding Land Use: 85% Forested; 10% Beach, 5% Other
Sampling Site: Rocky shallow, sloping beach area covered with vegetation
River Bottom: muddy, rocky

<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>Air Temperature:</td>
<td>1:25 PM</td>
<td>22 °C</td>
<td>74 °F</td>
</tr>
<tr>
<td>Wind Speed:</td>
<td>1:25 PM</td>
<td>0-3 knots</td>
<td>Southeast</td>
</tr>
<tr>
<td>Weather Today:</td>
<td>1:25 PM</td>
<td>no rain</td>
<td></td>
</tr>
<tr>
<td>Weather last 3 days</td>
<td></td>
<td>Gusty winds, partly cloudy</td>
<td></td>
</tr>
<tr>
<td>Water Temperature</td>
<td>1:25PM</td>
<td>20 °C</td>
<td>68 °F</td>
</tr>
</tbody>
</table>

| Chemical                  |        |          |          |
| Salinity-                 | Time   | Chloride | Total Salinity |
| N/R                      |        |          |          |
| DO – Hach drop count     | Time   | Temp     | ppm DO   | % saturation |
| 3:45 PM                  | 20 °C  | 8        |          | 100%        |
| pH – color match         | 2:15 PM| 7        |          |          |

| Biological                |        |          |          |
| Fish- Seine 25’ x 4’ x ¼’| Number | Name       | Length of longest | Length Shortest |
| 35                       | Blueback Herring | 5 cm | 4 cm |
| 2                        | White Perch | 19 cm | 14 cm |
| 1                        | Banded Killifish | 9 cm | 7 cm |
| 1                        | Spottail Shiner | 7 cm | NA |
| 2                        | Bluegill Sunfish | 6 cm | NR |
| 8                        | Pumpkinseed | 8 cm | 6 cm |
| TOTAL: 49                | Diversity: 6 |          |          |

Macroinvertebrates

<table>
<thead>
<tr>
<th>Number</th>
<th>Name</th>
<th>Length of longest</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Blue Crab</td>
<td>4 cm</td>
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</tbody>
</table>


<table>
<thead>
<tr>
<th>Tides</th>
<th>Time of Low Tide</th>
<th>Time of High Tide</th>
<th>Sampling Time</th>
<th>Tide Movement</th>
<th>Tides</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12:30 PM</td>
<td>6:45 PM</td>
<td>1:50 PM</td>
<td>Flooding</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Boats</th>
<th>Time</th>
<th>Name</th>
<th>Color</th>
<th>North or South</th>
<th>Loaded or Light</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR</td>
<td></td>
<td></td>
<td></td>
<td></td>
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