Day in the Life of the Hudson River 10/14/21  
Sarah Lawrence College CURB: Beczak, Yonkers  
RIVER MILE: 18  
Salt Front: ~ 49  
Eli Caref & Sarah Lawrence College Center for Urban River at Beczak  
2 students & 3 adults  
Latitude 40.938483 N & Longitude -73.90291 W

**Location:** Sarah Lawrence College CURB at Beczak, Habirshaw County Park, Yonkers, Westchester County, NY  
**Area:** 2 acre riverfront county park covered mostly by a grass lawn leading down to the river where it meets a tidal wetland and sandy beach. Property used for fishing, boats, seining, field trips and some education programs.  
**Surrounding Land Use:** 75% Urban/Residential; 25% Beach/Waterfront  
**Sampling Site:** Sandy beach, tidal marsh area covered with vegetation, banks altered, large riprap on shoreline, collected wood/debris in area  
**Plants in area:** No plants in the water area; however in the marsh, there is mud wort, reed grass, salter cordgrass, big cordgrass  
**River Bottom:** Muddy  
*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>Air Temperature</td>
<td>10:33 AM</td>
<td>21.1°C</td>
<td>70°F</td>
</tr>
<tr>
<td>Wind Speed:</td>
<td>10:33 AM</td>
<td>Anemometer</td>
<td>Beaufort</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NR</td>
<td>1</td>
</tr>
<tr>
<td>Weather today</td>
<td>10:33 AM</td>
<td>&lt;25% cloud cover</td>
<td>No Rain</td>
</tr>
<tr>
<td>Weather the past 3 days:</td>
<td>NR</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tides-</strong></td>
<td>Time</td>
<td>Rising, Falling, Unchanged</td>
<td>Height (cm)</td>
</tr>
<tr>
<td></td>
<td>10:33 AM</td>
<td>Falling</td>
<td>12 cm</td>
</tr>
<tr>
<td></td>
<td>11:22 AM</td>
<td>Rising – see note!</td>
<td>12 cm</td>
</tr>
<tr>
<td><strong>Current-</strong></td>
<td>Time</td>
<td>Cm/sec</td>
<td>Knots</td>
</tr>
<tr>
<td></td>
<td>10:40 AM</td>
<td>15</td>
<td>0.29</td>
</tr>
<tr>
<td><strong>Water Temperature-</strong></td>
<td>10:57 AM</td>
<td>20.5°C</td>
<td>68.9°F</td>
</tr>
<tr>
<td><strong>Turbidity- YSI probe</strong></td>
<td>10:57 AM</td>
<td>74.8 cm</td>
<td></td>
</tr>
<tr>
<td><strong>Chemical</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salinity- Meter/probe</td>
<td>10:57 AM</td>
<td>6.65 ppt</td>
<td></td>
</tr>
<tr>
<td>Standardized Salinity – HR Quantab</td>
<td>10:57 AM</td>
<td>6,256 ppm (6.3 ppt)</td>
<td></td>
</tr>
<tr>
<td>DO – meter/prob</td>
<td>Time</td>
<td>Temp</td>
<td>ppm DO</td>
</tr>
<tr>
<td></td>
<td>10:57 AM</td>
<td>20.5°C</td>
<td>6.72</td>
</tr>
<tr>
<td>pH – meter</td>
<td>10:57 AM</td>
<td>7.51</td>
<td></td>
</tr>
<tr>
<td>Nitrates- NR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phosphates- NR</td>
<td></td>
<td></td>
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<tr>
<td><strong>Biological</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish – seine 11:05 AM</td>
<td>Number</td>
<td>Name</td>
<td>Length of longest</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Bay Anchovy</td>
<td>6.5 cm</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Atlantic Silverside</td>
<td>1.7 cm</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>White Perch</td>
<td>18 cm</td>
</tr>
<tr>
<td>Fish Totals</td>
<td>TOTAL: 4</td>
<td>Diversity: 4</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
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<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Macroinvertebrates</th>
<th>Number</th>
<th>Name</th>
<th>Length of longest</th>
<th>Length of smallest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue Crab</td>
<td>8</td>
<td>1</td>
<td>8 cm</td>
<td>4 cm</td>
</tr>
<tr>
<td>Crangon Shrimp</td>
<td>1</td>
<td></td>
<td></td>
<td>NR</td>
</tr>
</tbody>
</table>

| Macroinvertebrate Totals | TOTAL: 9 | Diversity: 2 |

<table>
<thead>
<tr>
<th>Sediment Core</th>
<th>Length</th>
<th>H2S smell</th>
<th>Oxid Top</th>
<th>Oil</th>
<th>Grain Size</th>
<th>Other Features</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24.13 cm</td>
<td>Yes (mild smell)</td>
<td>No</td>
<td>No</td>
<td>Abundant: clay, mud, sand</td>
<td>Rare: wood</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Common: pebbles, leaves</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Boats-NR</th>
<th>Time</th>
<th>Name</th>
<th>Color</th>
<th>North/Southbound</th>
<th>Light/Loaded</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Commercial</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residential</td>
<td></td>
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</tbody>
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