Day in the Life of the Hudson River 10/16/18 Data
SARAH LAWRENCE COLLEGE CURB: BECZAK, RIVER MILE: 18.3
Salt Front: ~RM 24
High School for Environmental Studies – Sean Abbot-Klafter
30 students 11th-12th grade, 5 adults
Elisa Caref, SLL CURB
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

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Time</th>
<th>Reading</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td><strong>Physical</strong></td>
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<tr>
<td>Air Temperature</td>
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<td></td>
<td></td>
<td>17 °C</td>
<td>60 °F</td>
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<tr>
<td>Wind Speed</td>
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<td>Beaufort 2 Beaufort 2</td>
<td>Northwest</td>
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<td>Beaufort 2</td>
<td>Northwest</td>
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<tr>
<td></td>
<td>12:11 AM</td>
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<tr>
<td></td>
<td>12:40 PM</td>
<td>Northwest</td>
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<td></td>
<td>1:02 PM</td>
<td>Northwest</td>
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<tr>
<td>Weather Today</td>
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<td></td>
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<td>No rain, partly to mostly cloudy</td>
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<td><strong>Tides</strong></td>
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<td>Group 1</td>
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<tr>
<td></td>
<td>11:52 AM</td>
<td>Rising</td>
<td>27</td>
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<td></td>
<td>12:20 PM</td>
<td>Rising</td>
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<td></td>
<td>12:31 PM</td>
<td>Rising</td>
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<td></td>
<td>12:52 PM</td>
<td>Rising</td>
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<td>Group 3</td>
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<td>12:58 PM</td>
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<td>Rising</td>
<td>53</td>
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<td><strong>Currents Flow</strong></td>
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<tr>
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<td>12:45 PM</td>
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<td><strong>Water Temperature</strong></td>
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<tr>
<td>YSI Probe</td>
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<td></td>
<td>11:59 AM</td>
<td>15.6 °C</td>
<td>60.08 °F</td>
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<td></td>
<td>12:40 PM</td>
<td>16.1 °C</td>
<td>60.98 °F</td>
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<td></td>
<td>1:10 PM</td>
<td>16.1 °C</td>
<td>60.98 °F</td>
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<tr>
<td></td>
<td>11:59 AM</td>
<td>15 °C</td>
<td>59 °F</td>
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<tr>
<td></td>
<td>12:40 PM</td>
<td>15 °C</td>
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<tr>
<td></td>
<td>1:10 PM</td>
<td>15 °C</td>
<td>59 °F</td>
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<td>Thermometer</td>
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<tr>
<th>Turbidity -</th>
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<tr>
<td>YSI Probe</td>
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<tr>
<td>Long site tube</td>
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<tr>
<td>Time</td>
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<thead>
<tr>
<th>Chemical</th>
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<td>Value</td>
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<tr>
<td>*Hand tool - hydrometer or Refractometer?</td>
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<tr>
<td>Time</td>
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<td>Value</td>
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| *hydrometer is low resolution in comparison to YSI. 0 ppm isn’t realistic; maybe it was out of hydrometer range. |

| DO – YSI Probe |
| Time         | 11:59 AM | 12:40 PM | 1:10 PM |
| Temp         | 15.6 °C  | 16.1 °C  | 16.1 °C |
| ppm DO       | 9.77 ppm | 9.66 ppm | 9.84 ppm |
| % saturation | 90       | 91       | 93       |

| pH – YSI Probe |
| Time         | 11:59 AM | 12:40 PM | 1:10 PM |
| Value        | 8.14     | 8.14     | 8.21     |

| Fish- Seine  |
| Number       | 80       | 8        | 2        |
| Name         | Atlantic Silverside | Blueback Herring | Atlantic Menhaden |
|             | Alewife | Striped Bass | White Perch |

| TOTAL: 105 | Diversity: 6 |
| Length of longest |

| Sediment Core |
| Description   | Abundant | Common | Rare |
| H2S (Sulfur smell) Oxidized top | Mud | Clay, Sand, Pebbles | Gravel Wood Macroinvertebrates |