Day in the Life of the Hudson River 10/12/17 Data
(Salt Front ~RM 65)
RIVER MILE 92
Kingston Point Park, Kingston, Ulster County
Julie Noble, KC Keegan-Twonbly, Forsyth Nature Center (Site Hosts)
Robert Graves School, 95 students, 3rd grade, 9 adults
GPS Latitude 41°55.48 N Longitude 73°57.55 W

Location: Swimming Beach Kingston Point, City of Kingston, forested, beach and parking lot
Area: Used for picnics, boating, fishing, swimming, jogging, kayaking
Surrounding Land Use: 5% forested; 85% beach; 10% Industrial/Commercial
Sampling Site: Beach area - shoreline is sandy with some bricks, banks are altered, collected wood debris in the area, rip rap to north along brickyard shoreline. Sandy shoreline 75 feet from shoreline to parking lot, 200 feet wide with boat launch, large amount of brick debris from prior industry
Plants in area: All found on shore - duckweed, spatterdock, water chestnut, water celery, milfoil, walnuts, acorns, hickory nuts,
Water depth: 0.4 depth
River Bottom: sandy
Water Surface: Choppy
<table>
<thead>
<tr>
<th><strong>ITEM</strong></th>
<th><strong>Time</strong></th>
<th><strong>Reading 1</strong></th>
<th><strong>Reading 2</strong></th>
<th><strong>Comments</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Temperature</td>
<td>10:30 AM</td>
<td>56°F</td>
<td>56°C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11:15 AM</td>
<td>58</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>12:40 PM</td>
<td>56</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wind Speed</td>
<td>11:17 AM</td>
<td>#4 Beaufort</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>Cloud Cover</td>
<td>12:50 PM</td>
<td>Partly cloudy 26-50% cover</td>
<td></td>
<td></td>
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<tr>
<td>Weather today</td>
<td></td>
<td></td>
<td></td>
<td>Clouds and wind</td>
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<tr>
<td>Weather recently</td>
<td></td>
<td></td>
<td></td>
<td>Rain two days prior</td>
</tr>
<tr>
<td><strong>Turbidity – long site tube</strong></td>
<td></td>
<td></td>
<td></td>
<td>45 cm</td>
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<tr>
<td><strong>Water Temperature</strong></td>
<td>Time</td>
<td>Temperature</td>
<td></td>
<td><strong>Average</strong></td>
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<tr>
<td></td>
<td>10:45 AM</td>
<td>20 °C</td>
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<tr>
<td><strong>Chemical</strong></td>
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<tr>
<td>DO Test tabs</td>
<td></td>
<td></td>
<td></td>
<td>NR</td>
</tr>
<tr>
<td>pH – test strips</td>
<td>11:15 AM</td>
<td>6.5</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Salinity - Quantab</td>
<td>1:15 PM</td>
<td>1.005 - 1.4 quantab units</td>
<td></td>
<td>32 ppm Cl-</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>58 ppm Total Salinity</td>
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<tr>
<td><strong>Fish Catch</strong></td>
<td><strong>Number Caught- 15</strong></td>
<td><strong>Species - 2</strong></td>
<td><strong>Largest Size</strong></td>
<td></td>
</tr>
<tr>
<td>30' seine X 4 ft.</td>
<td>10:15 AM to 12:15 PM</td>
<td>Spottail Shiner</td>
<td>5 cm</td>
<td></td>
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<tr>
<td>with bag – 20 ft haul</td>
<td>38</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>18</td>
<td>Striped Bass</td>
<td>8 cm</td>
<td></td>
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<tr>
<td></td>
<td>154</td>
<td>Herring</td>
<td>10 cm</td>
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<tr>
<td></td>
<td>5</td>
<td>Banded Killifish</td>
<td>5 cm</td>
<td></td>
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<tr>
<td>DIVERSITY</td>
<td>4</td>
<td>TOTAL CATCH</td>
<td>215</td>
<td></td>
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<tr>
<td><strong>Tides</strong></td>
<td></td>
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<tr>
<td><strong>Currents</strong></td>
<td>10:30 AM</td>
<td>ebb</td>
<td>Ebb</td>
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<tr>
<td></td>
<td>11:00 AM</td>
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<tr>
<td></td>
<td>12:30 AM</td>
<td></td>
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<tr>
<td><strong>Core Sample</strong></td>
<td><strong>Description</strong></td>
<td><strong>Rare</strong></td>
<td><strong>Common</strong></td>
<td><strong>Abundant</strong></td>
</tr>
<tr>
<td>In 2 ft. water</td>
<td>15 cm</td>
<td>Coal</td>
<td>Brick</td>
<td>Sand</td>
</tr>
<tr>
<td><strong>Traffic – Recreational</strong></td>
<td>12:40 PM</td>
<td></td>
<td>White</td>
<td>North</td>
</tr>
<tr>
<td><strong>Other Items</strong></td>
<td>10:30 AM</td>
<td>Ring Billed Gulls (35)</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>12:30 AM</td>
<td>3 swans</td>
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<td></td>
<td>Zebra mussel shells</td>
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<td></td>
<td>1/3 of beach had broken brick parts</td>
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<tr>
<td></td>
<td>½ had water chestnut seeds</td>
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<tr>
<td></td>
<td>few broken shells</td>
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<td></td>
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