Day in the Life of the Hudson River 10/10/13 Data
(Salt Front RM 69.3)
RIVER MILE 92
Kingston Point Park, Kingston, Ulster County
GPS Latitude 41°55.6 N Longitude 73°57.90 W
Steve & Julie Noble, Forsyth Nature Center (Site Hosts)
Nick Martin, Minnewaska State Park
Karen Knowlton, and 2 adult chaperones Bailey Middle School – 8th grade, 75 students, 8 adults

Location: Swimming Beach Kingston Point, City of Kingston, beach and parking lot
Area: Used for picnics, boating, fishing, swimming, jogging, kayaking
Surrounding Land Use: 40% forested; 50% 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: no SAV in the water – all plants present were washed up on the beach.
Identified spatter dock, water chestnut, duck weed, Eurasian water milfoil, water celery
Water depth: 6-12 inches
River Bottom: sandy bottom

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Time</th>
<th>Reading 1</th>
<th>Reading 2</th>
<th>Comments</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>9:56 AM</td>
<td>58°F 12°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>11:06 AM</td>
<td>45°F</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>12:26 PM</td>
<td>48°F 8°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wind Speed</td>
<td>9:55 AM</td>
<td>Beaufort #1</td>
<td>3 mph North</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11:04 AM</td>
<td>8.3 mph</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>12:26 PM</td>
<td>14.5 mph</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cloud Cover</td>
<td>Overcast</td>
<td>75-100 % cover</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weather today</td>
<td>Overcast and cool</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weather recently</td>
<td>Rained very heavily Monday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Water Temperature</strong></td>
<td>Time</td>
<td>Temperature</td>
<td></td>
<td>Taken at water’s edge in direct sunlight</td>
</tr>
<tr>
<td></td>
<td>9:40 AM</td>
<td>61.9°F 16 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>12:21 PM</td>
<td>59.2°F 16°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water calm</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>------------</td>
<td>-----</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Turbidity short Site tube</strong></td>
<td>12:39 PM</td>
<td>70 JTU</td>
<td>70 JTU</td>
<td>Turbid brown</td>
</tr>
<tr>
<td><strong>Chlorophyll</strong></td>
<td>10:05 AM</td>
<td>0.7</td>
<td>11:16 AM</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**Chemical**

| DO Test tabs | 9:45 AM | *0 mg/L | 12:21 PM | *0 mg/L | *possible faulty equipment | 16°C | 16°C |
| pH – pen | 9:48AM | 8.0 | 10:47 AM | 8.0 | AVERAGES | 8.0 | 7.75 |
| 12:34 PM | 8.5, 7 |

| Nitrates Test tabs | 9:50 AM | 0 mg/L | 10:47 AM | 0 mg/L | 12:35 PM | 0 |
| Phosphate | 9:50 AM | 1.0 ppm | 10:47 AM | 0.0 ppm | 12:35 PM | 1.0 -1.5 ppm |

| Salinity - Quantab | Not reported |

**Fish Catch**

| Number Caught- 7 | Species - 2 | Largest Size | Macro-invertebrates |
| 12:00-1:00 PM | 7 | Spottail shiner | 4.25 inches | Diversity 4 |
| | 4 | Golden shiner | 4.25 inches | Total 14 |
| | 2 | Striped Bass | 7 inches |
| | 1 | White Perch | 5 inches |

**Macroinvertebrates**

| 9 | Scud |
| 1 | Freshwater Snails |
| 10 | Zebra Mussels |
| 1 | Giant waterbug |

Lots of water chestnut, low tide, had to go out far to haul. Did many hauls all day. Caught nothing all morning until between noon and 1PM caught 14 fish in 5 hauls.

**Tides**

| 9:30 AM | Set at water’s edge | Turned out tide was going out so no numeric reading |
| All morning | Falling |

**Currents**

| Not collected |

**Core Sample**

<p>| Description | Rare | Common | Abundant |
| 11:15 AM - From mud flats | 5.25 cm with | Pebbles, leaves | Mud, Gravel | sand |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Color(s)</th>
<th>Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 AM</td>
<td>Traffic: 1 recreational vehicle passing</td>
<td>white</td>
<td>Northbound – 1 person</td>
</tr>
<tr>
<td>10:36 AM</td>
<td>Traffic: White &amp; red vehicle passing</td>
<td>White &amp; red</td>
<td>Southbound – 2 people</td>
</tr>
<tr>
<td>11:14 AM</td>
<td>Traffic: SS Dolphin passing</td>
<td>White &amp; blue</td>
<td>Southbound 2 people</td>
</tr>
<tr>
<td>11:18 AM</td>
<td>Traffic: White &amp; Blue vehicle passing</td>
<td>White &amp; Blue</td>
<td>Southbound 2 people</td>
</tr>
<tr>
<td>8:51 AM</td>
<td>Other Items: Immature and adult bald eagle flying North along Kingston’s previously industrial waterfront.</td>
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</tbody>
</table>

*Almanac entry*