Snapshot Day 10/8/09 Data  
(Salt Front RM 60.3)  
RIVER MILE 76  
Waryas Park, Poughkeepsie, Dutchess County  
Lisa DiMarzo, Mid-Hudson Children’s Museum  
Jon Sokol, Sheafe Road Elementary School 4th grade - 87 students  
N 41 – W 73

Location: Near the pavilion structure just south of the Fall Kill mouth at Waryas Park. Sampling taken off the riprap.

Area: public park

Surrounding Land Use: 50% urban/residential; 20% Industrial/commercial; 30% park

Sampling Site: shoreline is riprap, shore bulkheaded

Plants in area: ~ 20% of area has plants in the water.

Tidal Shallows: Water celery 80%, Water Milfoil 10%

Water depth: not noted

River Bottom – muddy, rocky

<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>Physical</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Temperature</td>
<td>10:14AM</td>
<td>15°C</td>
<td>12:15 PM</td>
<td>21°C 70°F</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>2 beaufort</td>
<td>4-6 kts</td>
<td>4-7 mph</td>
<td></td>
</tr>
<tr>
<td>Cloud Cover</td>
<td>Partly cloudy</td>
<td>No rain</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weather recently</td>
<td></td>
<td></td>
<td></td>
<td>The day before – Wed., 10/7/09, was extremely windy</td>
</tr>
<tr>
<td>Water</td>
<td>10:00 AM</td>
<td>60°F</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Water Temperature

<table>
<thead>
<tr>
<th>Time</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 AM</td>
<td>60°F (16°C)</td>
</tr>
</tbody>
</table>

### Turbidity

<table>
<thead>
<tr>
<th>Time</th>
<th>Turbidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:56 AM</td>
<td>40 JTU</td>
</tr>
</tbody>
</table>

### Chlorophyll

<table>
<thead>
<tr>
<th>Time</th>
<th>Chlorophyll</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 AM</td>
<td>2.0</td>
</tr>
</tbody>
</table>

### Chemical

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Time</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>DO (Test tabs)</td>
<td>10:10 AM</td>
<td></td>
</tr>
<tr>
<td>pH – indicator solution</td>
<td>10:10 AM</td>
<td>8.0</td>
</tr>
<tr>
<td>Salinity - Quantab testtabs - low chloride</td>
<td>10:10 AM</td>
<td>2.0 or 60 ppm Cl</td>
</tr>
</tbody>
</table>

### Fish Catch

<table>
<thead>
<tr>
<th>Number Caught</th>
<th>Species</th>
<th>Largest</th>
<th>CPUE – 20 ft. pulls each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st pull - 25</td>
<td>Spottail shiner</td>
<td>2 inch</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Lg.Mouth bass</td>
<td>7 inch</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Sunny</td>
<td>5 inch</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Killifish</td>
<td>1 inch</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Bluecrab</td>
<td>1 inch</td>
<td></td>
</tr>
<tr>
<td>2nd pull - 8</td>
<td>Spottail shiner</td>
<td>2 inch</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Sunny</td>
<td>4 inch</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Bluecrab</td>
<td>1 inch</td>
<td></td>
</tr>
<tr>
<td>3rd pull – 5</td>
<td>Spottail shiner</td>
<td>2 inch</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Sunny</td>
<td>3 inch</td>
<td></td>
</tr>
<tr>
<td>FALL KILL</td>
<td>Crayfish</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Darters</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>American Eels</td>
<td>10 inch</td>
<td>eel pot</td>
</tr>
</tbody>
</table>

### Tides

<table>
<thead>
<tr>
<th>Time</th>
<th>Tides</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:14</td>
<td>Unchanged</td>
</tr>
<tr>
<td>10:32</td>
<td>Unchanged</td>
</tr>
<tr>
<td>10:55</td>
<td>Unchanged</td>
</tr>
<tr>
<td>11:24</td>
<td>Rising</td>
</tr>
<tr>
<td>11:47</td>
<td>Rising</td>
</tr>
<tr>
<td>12:15</td>
<td>Rising</td>
</tr>
<tr>
<td>12:35</td>
<td>rising</td>
</tr>
</tbody>
</table>

### Currents

<table>
<thead>
<tr>
<th>Time</th>
<th>Currents</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:14</td>
<td>S ebb</td>
</tr>
<tr>
<td>10:32</td>
<td>S ebb</td>
</tr>
<tr>
<td>10:55</td>
<td>S ebb</td>
</tr>
<tr>
<td>11:24</td>
<td>S ebb</td>
</tr>
</tbody>
</table>

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Sampling site is at the confluence of the Fall Kill and the Hudson River.