**Snapshot Day 10/14/10 Data**  
**Newtown Creek**  
Walter Ditman, Joanne Carmignani, and Erin Legutko, PS 78Q  
5th grade, 35 students  
Uzma Shah, Baruch College Campus High School  
12th grade, 19 students  
Min Shih, New York City Department of Environmental Protection

**Location:** East River, Gantry Plaza State Park, Long Island City, Queens  
**Surrounding Land Use:** Urban 80%; Grassy 15%; Rocky Shoreline 5%  
**Sampling Site:** Shoreline is rocky with some plants and has piers.  
**Plants in area:** A few trees and tall grasses.  
**Water depth:** unknown  
**River Bottom:** unknown

<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>
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<td></td>
</tr>
<tr>
<td>Air Temperature</td>
<td>11:48AM</td>
<td>20°C</td>
<td></td>
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<tr>
<td></td>
<td>12:35 PM</td>
<td>23°C</td>
<td></td>
<td></td>
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<tr>
<td>Wind Speed (Beaufort Chart)</td>
<td>11:48AM</td>
<td>Beaufort 1</td>
<td></td>
<td>East</td>
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<tr>
<td></td>
<td>12:35 PM</td>
<td>Beaufort 2</td>
<td></td>
<td>East</td>
</tr>
<tr>
<td>Cloud Cover</td>
<td>11:48AM</td>
<td>Mostly Cloudy</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>12:35 PM</td>
<td>Mostly Cloudy</td>
<td></td>
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<tr>
<td>Weather last 3 days</td>
<td></td>
<td></td>
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<tr>
<td><strong>Water Temperature</strong></td>
<td>11:23AM</td>
<td>21°C</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>12:42 PM</td>
<td>18.5°C</td>
<td></td>
<td></td>
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<tr>
<td><strong>Turbidity</strong></td>
<td>11:20AM</td>
<td>45.4 cm</td>
<td>50.9 cm</td>
<td>Ave 48 cm</td>
</tr>
<tr>
<td>Turbidity Long Sight Tube</td>
<td>12:42 PM</td>
<td>56.9 cm</td>
<td>46 cm</td>
<td>Ave 51.5 cm</td>
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<tr>
<td><strong>Chlorophyll</strong></td>
<td>11:32 AM</td>
<td>0.07</td>
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<td>clear/green</td>
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<tr>
<td></td>
<td>12:49</td>
<td>0.5</td>
<td></td>
<td>tan</td>
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<tr>
<td><strong>Chemical</strong></td>
<td></td>
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<tr>
<td>DO (CHEMetrics Ampoules)</td>
<td>11:23AM</td>
<td>21°C</td>
<td>5 ppm</td>
<td>55%</td>
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<tr>
<td></td>
<td>12:42 PM</td>
<td>18.5°C</td>
<td>7 ppm</td>
<td>86%</td>
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<tr>
<td>pH (test strips)</td>
<td>11:23AM</td>
<td>7</td>
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<tr>
<td>Time</td>
<td>Measurement</td>
<td>Value</td>
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<td>11:30 AM</td>
<td>Salinity (Hydrometer)</td>
<td>24 ppt</td>
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<tr>
<td>12:50 PM</td>
<td>Salinity (Hydrometer)</td>
<td>25 ppt</td>
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<td></td>
<td>Fish Catch</td>
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<td></td>
<td>Number Caught</td>
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<tr>
<td></td>
<td>Species</td>
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<tr>
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<td>Other organisms</td>
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<tr>
<td></td>
<td>Tides</td>
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<td></td>
<td>Currents</td>
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<td>Other Items</td>
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<tr>
<td></td>
<td>Water Description</td>
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<tr>
<td>12:42 PM</td>
<td>Phosphate</td>
<td></td>
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<tr>
<td>11:15 AM</td>
<td>Tides</td>
<td>84” from pier</td>
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<td></td>
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<td>to water</td>
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<td></td>
<td></td>
<td>surface</td>
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<td></td>
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<tr>
<td>12:42 PM</td>
<td>Tides</td>
<td>76” from pier</td>
<td></td>
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<td></td>
<td></td>
<td>to water</td>
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<td></td>
<td></td>
<td>surface</td>
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<tr>
<td>11:31 AM</td>
<td>Currents</td>
<td>3.57 inches/sec</td>
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<td></td>
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<td>= 0.18 knots</td>
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<tr>
<td>12:43 PM</td>
<td>Currents</td>
<td>12.5 inches/sec</td>
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<tr>
<td></td>
<td></td>
<td>= 0.64 knots</td>
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</tbody>
</table>

**Other organisms**: Seagulls, Cormorant

**Fish Catch**
- Number Caught
- Species

**Tides**
- Time: 11:15 AM
- Distance: 84” from pier to water surface
- Time: 12:42 PM
- Distance: 76” from pier to water surface

**Currents**
- Time: 11:31 AM
- Speed: 3.57 inches/sec = 0.18 knots
- Time: 12:43 PM
- Speed: 12.5 inches/sec = 0.64 knots

**Other Items**

**Water Description**