**Day in the Life of the Hudson River 10/14/21**  
**Hudson River Park Pier 84, Manhattan**  
**RIVER MILE: 5.6**  
Salt Front: ~ 49  
Anna Koskol & Hudson River Park Trust  
Gateway School  
26 students (6th grade) & 6 adults  
Latitude 40.763934 N & Longitude – 74.001174 W

**Location**: Hudson River Park, Pier 84, Manhattan, NY  
**Area**: Pier, bulkhead, mainly concrete and wood, grass on the pier.  
**Surrounding Land Use**: 60% Urban/Residential, 40% Industrial/Commercial  
**Sampling Site**: An educational/recreational pier used for picnics, boating, jogging, fishing. Concrete bulkhead, rocks near the edge, banks altered, all hard edged, pipe entering the water.  
**Shoreline**: Concrete bulkhead- all hard edged  
**Water**: 609.6 cm  
**River Bottom**: Muddy, sandy, rocky  
**Plants in water**: No plants in water area  
*NR = Not read/recorded*

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Time</th>
<th>Reading</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Temperature</td>
<td>12:30 PM</td>
<td>22.9 °C</td>
<td>73.22° F</td>
</tr>
<tr>
<td>Wind Speed:</td>
<td>12:30 PM</td>
<td>Anemometer</td>
<td>Beaufort</td>
</tr>
<tr>
<td>Weather today</td>
<td>12:30 PM</td>
<td>&lt;25 % cloud cover</td>
<td>No rain</td>
</tr>
<tr>
<td>Weather the past 3 days:</td>
<td></td>
<td></td>
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<tr>
<td>Tides-</td>
<td></td>
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<tr>
<td>Current-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Temperature-</td>
<td>12:30 PM</td>
<td>21.67° C</td>
<td>71.01° F</td>
</tr>
<tr>
<td>Turbidity- Long Sight Tube</td>
<td>12:56 PM</td>
<td>62 cm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1:23 PM</td>
<td>61.5 cm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1:39 PM</td>
<td>62 cm</td>
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<tr>
<td><strong>Chemical</strong></td>
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<tr>
<td>Salinity- Hydrometer</td>
<td>12:30 PM</td>
<td>12.33 ppt</td>
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<tr>
<td>Standardized Salinity- refractometer</td>
<td>2:23 PM</td>
<td>10 ppt</td>
<td></td>
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<tr>
<td>DO – Ampules</td>
<td>Time</td>
<td>Temp</td>
<td>ppm DO</td>
</tr>
<tr>
<td></td>
<td>12:30 PM</td>
<td>21.67° C</td>
<td>6.67</td>
</tr>
<tr>
<td>pH – HRECOS</td>
<td>12:30 PM</td>
<td>7.7</td>
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<tr>
<td>Nitrates-</td>
<td>NR</td>
<td>NR</td>
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<tr>
<td>Phosphates-</td>
<td>NR</td>
<td>NR</td>
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<tr>
<td><strong>Biological</strong></td>
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<tr>
<td>Fish -</td>
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<tr>
<td>Fish Totals</td>
<td>TOTAL:</td>
<td>Diversity:</td>
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</tr>
<tr>
<td>Macroinvertebrates</td>
<td>Number</td>
<td>Name</td>
<td>Length of longest</td>
</tr>
<tr>
<td>--------------------</td>
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</tr>
<tr>
<td>Macroinvertebrate</td>
<td>TOTAL:</td>
<td>Diversity:</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Sediment Core -NR</th>
<th>Length</th>
<th>H2S smell</th>
<th>Oxid Top</th>
<th>Oil</th>
<th>Grain Size</th>
<th>Other Features</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Boats-NR</th>
<th>Time</th>
<th>Name</th>
<th>Color</th>
<th>North/Southbound</th>
<th>Light/Loaded</th>
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</thead>
<tbody>
<tr>
<td>Commercial</td>
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</tr>
<tr>
<td>Residential</td>
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