**Location:** Valentino Pier, Red Hook, Brooklyn, NY  
**Area:** A large pile of rocks with a small rocky beach; large pier  
**Surrounding Land Use:** 75% Industrial/Commercial; 10% Urban/Residential; 5% Beach; 10% landscaped area with seagrasses.  
**Sampling Site:** Recreational pier and beach. Lots of fishing at the end of the pier.  
**Shoreline:** Riprap  
**River Bottom:** Sandy and rocky near the little beach area  
**Plants in water:**

<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>10-11 am</td>
<td>50 °F</td>
<td></td>
</tr>
<tr>
<td>Wind Speed:</td>
<td>10-11 am</td>
<td>Beaufort 1-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11-12 pm</td>
<td>Beaufort 1-2</td>
<td></td>
</tr>
<tr>
<td>Weather today</td>
<td>NR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weather past 3 days:</td>
<td>NR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tides-</td>
<td>Time</td>
<td>Rising, Falling, Unchanged</td>
<td>Water Height (cm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current- orange toss</td>
<td>Time</td>
<td>cm/second, Knots</td>
<td>North/South</td>
</tr>
<tr>
<td></td>
<td>*readings influenced by the positioning of the pier in a cove</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10-11am</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>11-12 pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Temperature-</td>
<td>10-11 am</td>
<td>46 °F</td>
<td></td>
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<tr>
<td>Turbidity- Carolina biologic tube (120cm total)</td>
<td>10-11 am</td>
<td>84-90 cm</td>
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</tr>
<tr>
<td></td>
<td>11-12 pm</td>
<td>85-90 cm</td>
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<tr>
<td><strong>Chemical</strong></td>
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<tr>
<td>Salinity- Hydrometer</td>
<td>10-11am</td>
<td>21,000 ppm</td>
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<tr>
<td></td>
<td>11-12 pm</td>
<td>22,000 ppm</td>
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<tr>
<td>DO – CHEMetrics blue ampules</td>
<td>Time</td>
<td>Temp</td>
<td>ppm DO</td>
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<tr>
<td></td>
<td>All morning</td>
<td></td>
<td>7 ppm</td>
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<tr>
<td>pH – Lamotte test tabs</td>
<td>All morning</td>
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<tr>
<td><strong>Biological</strong></td>
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<td></td>
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</tr>
<tr>
<td>Fish</td>
<td>Number</td>
<td>Name</td>
<td>Length of longest</td>
</tr>
<tr>
<td>Minnow traps- no catch</td>
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</tr>
<tr>
<td>Oyster stations</td>
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<tr>
<td>Fish Totals</td>
<td>TOTAL: 0</td>
<td>Diversity: 0</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>
<td>Presence</td>
<td>Shrimp spp.</td>
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</tr>
<tr>
<td></td>
<td>Presence</td>
<td>Tunicates</td>
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</tr>
<tr>
<td></td>
<td>Presence</td>
<td>Sea grapes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Presence</td>
<td>Tube Worm</td>
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<tr>
<td></td>
<td>Presence</td>
<td>Mussel spp.</td>
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</table>

*Abundance was not recorded*
<table>
<thead>
<tr>
<th>Macroinvertebrate Totals</th>
<th>TOTAL:</th>
<th>Diversity: 5</th>
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</table>

<table>
<thead>
<tr>
<th>Sediment Core</th>
<th>Time</th>
<th>Oxid Top</th>
<th>Grain Size</th>
<th>Other Features</th>
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</thead>
<tbody>
<tr>
<td>NR</td>
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</table>

<table>
<thead>
<tr>
<th>Boats</th>
<th>Time</th>
<th>Name/Color</th>
<th>North/South</th>
<th>Loaded/Light</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR</td>
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</tr>
</tbody>
</table>

| Observations | Fisherperson caught a tautog |