Day in the Life of the Hudson River 10/22/20
GOVERNOR’S ISLAND HARBOR
RIVER MILE: -1
Salt Front: ~ RM 75
The Urban Assembly NY Harbor School– Roy Arezzo, 60 participants
Latitude 40.69092 N & Longitude – 74.02026 W

Location: Pier 101, NE Governor’s Island, Upper NY Harbor Area, NY
Area: East side of the harbor, pier along waterfront of the island
Surrounding Land Use: 100% converted to public access programs (education, boating, recreation)
Sampling Site: Pier, shoreline is bulkhead

<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>10:00 AM</td>
<td>18 °C</td>
<td>64 °F</td>
</tr>
<tr>
<td>Wind Speed:</td>
<td>10:00 AM</td>
<td>4 mph</td>
<td></td>
</tr>
<tr>
<td>Weather today</td>
<td></td>
<td>Fog</td>
<td></td>
</tr>
<tr>
<td>Weather past 3 days:</td>
<td></td>
<td>Mild, Breezy, morning fog</td>
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<tr>
<td>Tides-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low Tide</td>
<td>7:21 AM</td>
<td>1:45 PM</td>
<td>10:00 AM</td>
</tr>
<tr>
<td>High Tide</td>
<td>1:45 PM</td>
<td>10:00 AM</td>
<td></td>
</tr>
<tr>
<td>Time of Sampling Tide</td>
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<tr>
<td>Current-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>10:00 AM</td>
<td>1.2 cm/sec, .02 knots</td>
<td>South</td>
</tr>
<tr>
<td>cm/second, Knots</td>
<td>10:00 AM</td>
<td>1.2 cm/sec, .02 knots</td>
<td>South</td>
</tr>
<tr>
<td>North/South</td>
<td></td>
<td></td>
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<tr>
<td>Ebb/Flood/Still</td>
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<tr>
<td>Water Temperature-</td>
<td></td>
<td>10:00 AM</td>
<td>17.5 °C</td>
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<tr>
<td>Turbidity- Long sight tube</td>
<td>10:00 AM</td>
<td>120 cm</td>
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<tr>
<td>Chemical</td>
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<tr>
<td>Salinity- Hydrometer</td>
<td>10:00 AM</td>
<td>24 ppt</td>
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<tr>
<td>DO – Chemets</td>
<td>10:00 AM</td>
<td>17.5 °C</td>
<td>4.5 ppm</td>
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<td>pH – color match kit</td>
<td>10:00 AM</td>
<td>7.7</td>
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<tr>
<td>Biological</td>
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<tr>
<td>Fish</td>
<td>Number</td>
<td>Name</td>
<td>Length of longest</td>
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<tr>
<td>Did not fish</td>
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<tr>
<td>Fish Totals</td>
<td>TOTAL:</td>
<td>Diversity:</td>
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<tr>
<td>Macroinvertebrates</td>
<td>Number</td>
<td>Name</td>
<td>Length of longest</td>
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<tr>
<td>Macroinvertebrate Totals</td>
<td>TOTAL:</td>
<td>Diversity:</td>
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<tr>
<td>Sediment Core</td>
<td>Time</td>
<td>Oxidized Top</td>
<td>Grain Size</td>
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<tr>
<td>Boats</td>
<td>Time</td>
<td>Name/Color</td>
<td>North/South</td>
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<tr>
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<tr>
<td>Observations</td>
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<td>Seabirds: cormorant, slate</td>
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