**Day in the Life of the Hudson River 10/20/15 Data**

**RIVER MILE 4**

**Pier 84**

**N 40. 40.76408, W-74 .001893**

**Tina Walsh and staff from the Hudson River Park**

**Julie Taegel, City Knoll Middle School, 15 6th graders and 1 adult - AM**

**Lavonne Hunter, CASA, 45 sixth graders and 5 adults – Mid Day**

**Christine Kecskemeti, PS 51 Elais Howe School 60 4th graders and 8 adults - PM**

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**Location:** Pier 84, is an educational pier used for picnics, boating, jogging, fishing

**Area:** Pier – bulkhead – mainly concrete & wood

**Surrounding Land Use:** 60% urban/residential, 40% Industrial Commercial

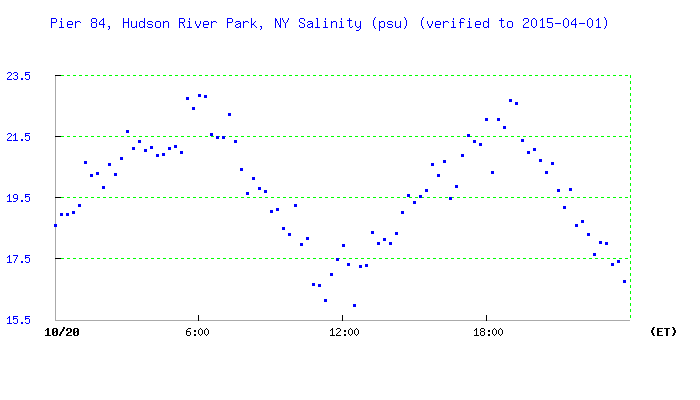
**Sampling Site:** Recreational pier – rocks near the edge, banks altered – all hard edged, muddy bottom

**Depth:** ~12 feet off pier

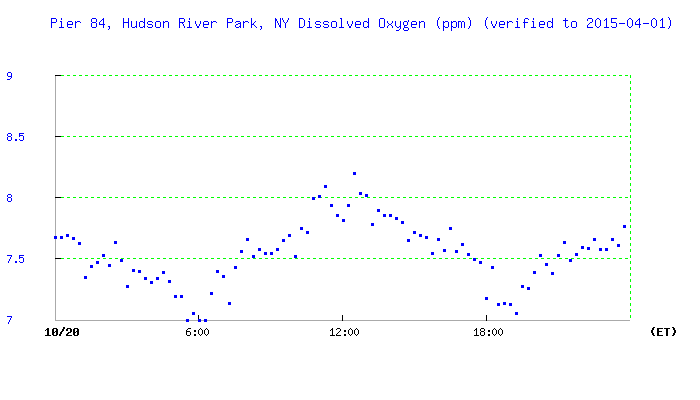
**Plants in area:** No plants

**Water:** Calm

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| ***ITEM*** | ***Time*** | | ***Readings*** |  |  |
| ***Physical*** |  | |  |  |  |
| Air Temperature | 10:30 AM  11:30 AM  12:00 AM  1:15 PM  1:45 PM  2:00 PM | | 11°C  12°C  16°C  20 °C  19°C  14°C |  |  |
| Wind Speed | 10:30 AM  11:00 AM  11:30AM  12:15 PM  1:15 PM  1:45 PM  2:15 PM | | Beaufort 2 Beaufort 2  Beaufort 3  Beaufort 2  Beaufort 2  Beaufort 3  Beaufort 2 | 4.7 mph  3.9 mph  5 mph  4 mph  4 mph  7 mph  4 mph | SW  SW  SW  S  SW  SW  S |
| Cloud Cover | 10:30 AM  11:00 AM  11:30AM  12:15 PM  1:15 PM  1:45 PM  2:15 PM | | Clear all day | <25% cloud cover all day |  |
| Weather today | Clear | |  | ***Water surface*** |  |
| Weather recently | Cool some rain | | | | |
| ***Water Temperature*** | 11:00 AM  11:40 AM  12:00 PM  1:15 PM  1:45 PM  2:00 PM | 14°C  13°C  12°C & 11°C  14°C  12°C  12 °C | |  |  |
| ***Turbidity***  ***Turbidity tube – cm*** | 10:30 AM  11:00 AM  11:50 AM  12:15 PM  PM  PM | 47 cm  35 cm  39 cm  30 cm  56 cm  57 cm | |  |  |
| ***Chemical*** | **Time** | **ppm** | | **Temp** | **% Sat** |
| DO  Estuary wide monitoring Kit – | 10:30 AM  11:00 AM  11:30 AM  11:45 AM  1:15 PM  1:45 PM  2:00 PM  2:15 PM | 8  8  6  7  8  9  8  8 | | 14°C  14°C  13  13  14  12  12  12 | 78%  78%  56%  65%  78%  80%  75%  75% |
| pH  kit as above | 0:30 AM  11:00 AM  11:30 AM  11:45 AM  1:15 PM  1:45 PM  2:00 PM  2:15 PM | 7  7  7  7  7.5  7.5  7  7 | |  |  |
| Salinity -hydrometer | 10:30 AM  11:00 AM  12:00 PM  12:15 PM  1:20 PM  1:45 PM  2:15 PM | 18  18  15.5  15.5  16  15  15 | |  |  |
| ***Fish Catch*** | Time | Species | | # caught | Size |
| ***Fishing rod with circle hook & clam bait*** |  | Striped Bass  Silverside  Blue Crab | | 6  1  1 | 23 cm  5 cm  5 cm |
| ***Tides - water depth*** | ***Time*** | ***Distance to water*** | | ***Rate of change*** | ***Flood or Ebb*** |
|  | 10:15AM  11:15AM  1:00 PM | 183cm  213 cm  244 cm | |  | Flooding |
| ***Currents*** | ***Time*** | ***Meter/sec*** | | ***Cm/sec*** | ***Ebb/Flood*** |

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***Salinity at Pier 84***

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***DO at Pier 84***