**Day in the Life of the Hudson River 10/12/17 Data**

**(Saltfront ~ RM 65)**

**RIVER MILE 19.5**

**JFK Marina, Yonkers**

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**Kelly Jakob, Riverside High School & Museum School 5th-12th grade 100 students, 10 adults**

**Latitude 40°59’52”N, Longitude 73°53.03”W**

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|  |  |

** Location:** JFK Marina, Yonkers waterfront, Westchester, NY

**Area:** Waterfront marina with a north facing boat ramp for seining and a wooden walkway along the edge.

**Surrounding Land Use:** 40% grassy park fenced from the water, 60% cement boat ramp on the northside and large parking lot.

**Sampling Site:** bulkheaded waterfront, cement ramp for seining,

**Plants in area:** no

**River Bottom**:

**SAMPLED FROM 9-1PM**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***TIME***  |  |  | ***Comments*** |
| ***Physical***  |   |  |  |  |
| Air temperature | NR | Wind Speed  | NR |  |
| Weather today | Overcast, cool breezy and a bit damp in the AM |
| Weather recently | A small amount of rain but warm |
| ***ITEM*** |  |  |  | ***Comments*** |
| ***Turbidity – secchi*** | NR |  |  |  |
| ***Water temp.*** | AM | °F | °C |  |
| ***Chemistry*** |  |  |  |  |
| *pH –* color kit | 9:17 AM9:39 AM9:43 AM9:58 AM | 8.07.08.07.5  |  | Average 7.6 |
|  | 10:01AM10:11 AM | 8.08.0 |  | Average 8.0 |
|  | 11:40 AM11:43 AM11:48 AM11:52 AM | 8.07.710.08.0 |  | Average 8.4 |
|  | 12: 01 PM12:14 PM12:16 PM12:19 PM12:21 PM12:29 PM12:30 PM12:40 PM12:42 PM12:47 PM12:59 PM | 8.58.08.58.07.78.07.78.57.58.08.0 |  | Average 8.0 |
| ***DO – Hach kit*** | **Time\*** | **H2O Temp** | **Test #** | **DO\* mg/L** |
| *\*most numbers too high – must have had a sampling bubble or not swirled after sampling* *7 mg/L is approximately what we would expect* | No specific times recorded Sampling from9-1PM | NR°C | Test 1Test 2Test 3Test 4Test 5Test 6Test 7Test 8Test 9 Test 10Test 11 | 20 mg/L26202617157151577 |
| *Salinity –refract.* | NR |  |  |   |
| ***Fish Catch***Seine 10 ft. net | Number | Species | Average length |  |
|  | 63 | Atlantic Silversides | 7.6 cm | ***DIV 2******TOTAL 65*** |
|  | 2 | Striped Bass | 7 cm |  |
| ***Macroinvert. Catch*** | 2 | Blue crab  | 4 cm | ***DIV 3******TOTAL ~112*** |
|  | >60  | Moon Jellies | 1-4 cm |  |
|  | >150  | Ctenaphore - Comb Jelly | 1-6 cm |  |
| ***Tide***  | ***Start Time*** | ***Water Height - cm***  |  |  |
|  | 9:00 AM11:00 AM11:25 AM11:55 AM12:06 PM12:35 PM12:54 PM | 0163147486269 |  |  |