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

RIVER MILE 2

**Elisa Caref - The River Project**

**Karen Johnson, Vanessa Jump, Teachers for the**

**3rd grade Trevor Day School – 46 students and 12 adults**

**Latitude N 40.7282554N Longitude -74.014880 W\***

**Location: Pier 40 Hudson River (also called North River)**

**Area:** Large urban pier with many sports facilities: athletic fields, kayaking and boathouse, seasonal moorings available, parking, fishing on the pier, benches & picnic tables for the public

**Surrounding Land Use:** 50% Urban/residential; 50% commercial/Industrial **-** parking lot **–** area used for picnics, boating, fishing

**Sampling Site:** Bulkhead, Banks altered; concrete & wood pilings, pier extends into river/cement bulkhead

**Shoreline:** Rocky

**Plants:** no

**NOTE:** This highly urban site is just west of the busy Westside Highway – it is the largest pier in Hudson River Park (with a 14 acre footprint); Pier 40 is used for recreation; school groups use the athletic fields; there are 3 public boathouses; there are many people by on the river’s edge: jogging, bike riding, walking.

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| --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading F*** | ***Reading C*** | ***Comments*** |
| ***Physical*** |  | |  |  |  |
| Air Temperature | 10:55 AM  11:52 AM | | 60F  62F | 16C  17C |  |
| Wind Speed | ***Time*** | | ***Beaufort Chart*** | ***Kestral*** |  |
|  | 11:08 AM | |  | 11.5 mph |  |
| Cloud Cover | Clear <25%, | | | | |
| Weather today | no precipitation | | | | |
| Weather recently | Cool | | | | |
| Water | calm | | | | |
| ***Water Temperature -4 feet of water*** | 10:53 AM  11:21 AM  11:36 AM  11:55 AM | 56 F  59F  61 F  60 | | 13C  13C  16.5C  16 |  |
| ***Turbidity (long site tube*** | 11:00 AM | 78.6 cm  79  78.9 | | 78.8 cm |  |
| ***Chemical*** | **TIME** | **TEMP.** | | **PPM** | **% SAT.** |
| DO | 11:21 AM | 15C | | 8 ppm | 80% |
| pH – Lamotte sample kit - tablets | 11:08 AM | 8,8,8, | |  | Average 8 |
| Salinity – hydrometer - | 11:20 AM | 22  27  30 | |  | Average 26 ppt |