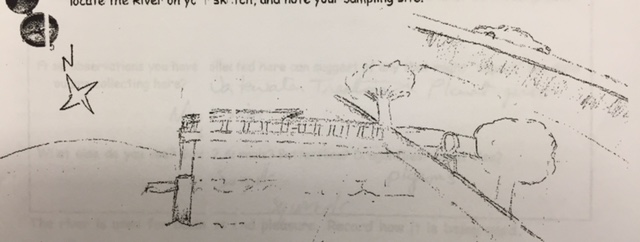
**Day in the Life of the Hudson River 10/20/15 Data**

**RIVER MILE 9**

**Pier 125**

**N 40, W-73**

**Diane Lennon, Columbia Secondary School, 31 students 11th grade, 2 adults**

****

**Location:** Pier 125, is an educational pier used for boating and fishing

**Area:** Pier –sampled at mid pier away from street and bulkhead

**Surrounding Land Use:** 100% Industrial Commercial

**Sampling Site:** Recreational pier – rocks near the edge, banks altered – all hard edged concrete bulkhead, vegetation

**Plants in area:** No plants

**Water:** Calm but sometimes choppy

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Readings*** |  |  |
| ***Physical*** |  | |  |  |  |
| Air Temperature | 8:31AM  8:36 AM  8:41 AM | | 11.7°C  10°C  10°C | 52°F  50  50 |  |
| Wind Speed | 8:30 AM | | Very windy |  | South |
| Cloud Cover | 8:32 AM | | Clear | <25% cloud cover |  |
| Weather today | Clear | |  | ***Water surface*** |  |
| Weather recently | Cold no rain | | | | |
| ***Water Temperature*** | 8:34 AM | 11°C  14°C  14°C | |  | Average 13°C |
| ***Turbidity***  ***Secchi*** | 8:30 AM | 90 cm | |  |  |
| ***Turbidity short site tube*** | 9:20 AM | 10 JTU | |  |  |
| ***Chemical*** | **Time** | **ppm** | | **Temp** | **% Sat** |
| DO | 8:34 AM | 15ppm | | 13°C | 140 % - |
| pH  kit as above | 8:35 AM | 7 | |  |  |
| Nitrates | 8:35 AM | 0.5 ppm | |  |  |
| Phosphates | 8:35 AM | 0.61 ppm | |  |  |
| Alkalinity | 8:35 AM | 141 ppm | |  |  |
| ***Fish Catch*** | Time | Species | | # caught | Size |
| ***Tides - water depth*** | ***NR*** |  | |  |  |
| ***Currents*** | ***Time***  8:30 AM | ***cm/30 sec***  30.48 | | ***Cm/sec***  1.016 | ***Kts***  0.0198 |
| ***Shipping – Commercial*** | 8:27 AM  8:30  8:45 | Barge – black  Barge - black  Ferry - white | | Not moving  Not moving  north - | Light  Loaded  ? |
| ***Shipping Recreational*** | 8:20 AM  8:43 AM | Too far to see speedboat- white | | North  South |  |
| ***Observations*** | Wastewater treatment plant just north of the pier.  Saw seagulls, pigeons and squirrels | | | | |