**Day in the Life of the Hudson River 10/20/16**

**East RM 8.7, Hallets Point**

**Betty Eck, PS Q300, the 30th Ave. School**

**56 sixth grade students, 4 adults**

**GPS Latitude 40°46'10.2"N Longitude 73°56'08.3"W**

**Location:** East River, Hallets Cove boat lauch, Long Island City, Queens

**Surrounding Land Use:** Urban/residential 25%; Beach25%; Industrial/Commercial 25% rest is park 25%

**Sampling Site:** Beach area with large debris like concrete etc. and brick pieces

**Plants in water:** Yes ~10% of the area is covered with plants - they were not specifically identified, only algae was seen and leafy plants growing attached to submerged rocks.

**Water depth**: unknown

**River Bottom**: The beach transitions from sand, rocks around the water edge and then a thick mud bottom of the water.

A**ll sampling occurred between 9:30-11:00 & 11:30 and 1:00 PM**

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| --- | --- | --- | --- | --- | --- |
| ***A*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  | |  |  |  |
| Air Temperature | 10:00 AM  11:00 AM | | 16°C  19 | 61 °F  66 |  |
| Wind Speed | Averaged | | Beaufort 2 | NE | 7 mph |
| ***Cloud Cover*** | Overcast | | ***Water*** | calm |  |
| Weather last 3 days |  | | | | |
| ***Water Temperature*** | 10:00 AM  11:00 AM | 16°C  18°C | | 62°F  65°F |  |
| ***Turbidity*** | Time  10:00 AM  11:00 AM | **Secchi Disk**  55,55,53 cm  60, 60, 60 cm | | **Avg. Secchi**  54.5 cm  60 cm | **Short site tube**  10 JTU  10 JTU |
| ***Chemical*** |  |  | |  |  |
| DO - (meter) | 11:00 AM | 8 ppm | | 18°C | 90% saturated |
| pH (meter) | 10:00 AM | 7.3  7.3 | |  | Avg 7.3 |
| Salinity  (Hydrometer) | 11:00 AM | 30 ppt  27  27 | |  | Avg. 28 ppt |
| Nitrates | 11:00 AM | 5 ppm  5  5 | |  | Avg. 5 ppm |
| Phosphates | 11:00 PM | 2 ppm | |  | 2 ppm |
| ***Fish – 10 ft. net – 2 tries*** | NO FISH |  | |  |  |