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

**RIVER MILE -6**

**Steeplechase Pier, Coney Island, Brooklyn NY**

**Deborah Sarria, Andries Hudde JHS 8th graders**

**51 students, 7 adults**

**40°, 34’N - 73°, 59’W**

**Location:** Steeplechase Pier, Coney Island, Brooklyn NY

**Surrounding Land Use:** Beach 100%

**Sampling Site:** Beach areas with pier and riprap shoreline

**Plants in area:** No plants in the area

**River bottom:** Sandy

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |   |  |  |  |
| Air Temperature | 11:15 AM12:15 PM | 15°C16°C | 59°F60.8°F |  |
| ***Wind Speed*** | 5.2 mph  | East  | ***Water Surface*** | Choppy  |
| Cloud Cover |  Clear  | Weather Today  | No rain  |  |
| Weather last 3 days | There was no precip in the last 3 days. The cloud cover ranged from clear to part cloudy, Air temperatures 39-59°F |
| ***Water Temperature*** | 11:24 AM  | 13.6°C13.6°C13.6°C | 56.5°F56.5°F56.5°F | Avg13.6°C56.5°F  |
|  | 11:50 AM  | 14.6°C14.6°C14.5°C | 58.3°F58.3°F58.1°F | Avg14.56°C58.23°F  |
|  | 12:20 PM  | 14.7°C14.6°C14.7°C | 58.5°F58.3°F58.5°F | Avg14.66°C58.43°F  |
| ***Turbidity***Sight Tube | 11:30 AM | 107 cm120 cm117 cm | Average 114.7 cm |  |
|  | 12:34 PM | 110 cm95 cm96 cm  | Average 110.3 cm  |  |
| ***Chemical*** |  |  |  |  |
| DO (meter) | 11:50 AM  | 14.6°C  | 9.46 ppm | 90 % |
| pH  | 11:14 AM | 777 | Average 7  |  |
| Salinity(Hydrometer) | 11:07 AM | 30 ppt30 ppt30 ppt | 30 ppt |  |
| ***Tides –***  | 11:44 AM12:17 PM12:40 PM | setUnchangedRising | 400 cm400 cm450 cm | --------2.2 cm/min |
| ***Currents*** | NR |  |  |  |
| ***Fish – minnow traps -------******Diversity – 1******Total Catch –50*** | 11:00 AM  | 50  | Silversides  | 10 cm |
| ***Macroinvertebrates******Diversity – 1******Total Catch 6*** |  | 6 | Lady Crabs |  |
| ***Shipping - Commercial***  | 11:20 AM11:35 AM11:50 AM12:10 PM  | CargoCargoCargoCargo | SouthNorthNorthSouth | LoadedLoadedLoadedLoaded |
| ***Recreational***  | 11:35 AM | Parasail  |  |  |